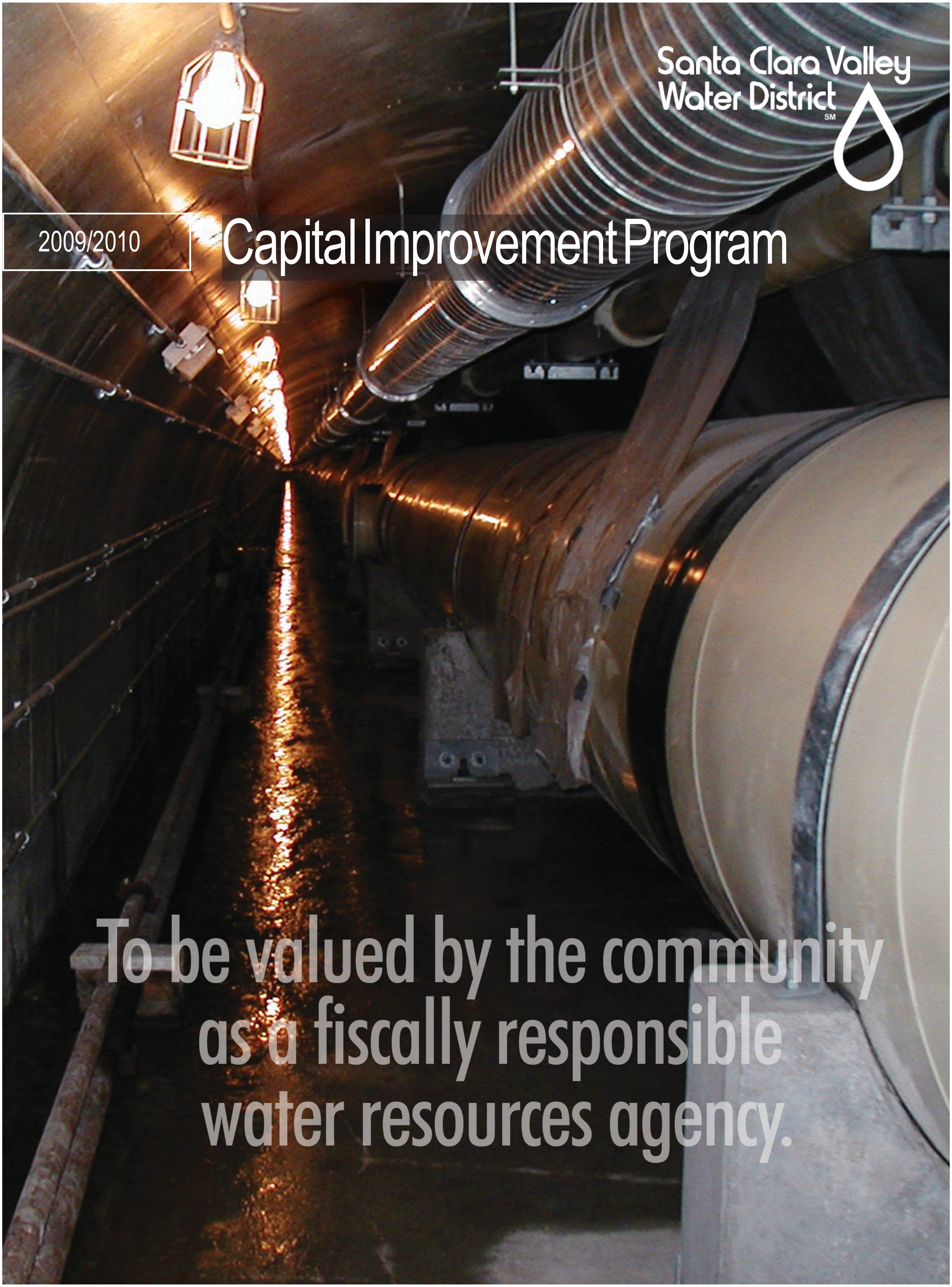

Santa Clara Valley Water District

2009/2010

Capital Improvement Program

To be valued by the community as a fiscally responsible water resources agency.

RESOLUTION NO. 09- 66

RESOLUTION OF THE BOARD OF DIRECTORS OF THE SANTA CLARA VALLEY WATER DISTRICT APPROVING FISCAL YEAR 2009/2010 CAPITAL IMPROVEMENT PROGRAM

WHEREAS, the District has determined that it is in its best interest to prepare a Five-Year Capital Improvement Program (CIP) and to have it reviewed by the County and cities having land use jurisdiction within Santa Clara County; and

WHEREAS, the Board of Directors of the Santa Clara Valley Water District was presented with a draft Fiscal Year 2009/2010 CIP on May 26, 2009; and

WHEREAS, the CIP was transmitted to the cities and towns in Santa Clara County and to the County of Santa Clara for their review on June 10, 2009; District staff conducted subsequent meetings with each agency; and

WHEREAS, the District received formal findings from the cities of Campbell and Saratoga, and letters from the County of Santa Clara, the towns of Los Altos Hills and Los Gatos, and the cities of Cupertino, Gilroy, Los Altos, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Palo Alto, San Jose, Santa Clara, and Sunnyvale all indicating that the District's CIP is consistent with their General Plans; and

WHEREAS, the District did, on August 25, 2009, conduct a public hearing for purposes of receiving input with regard to the draft FY 2009/10 CIP, and consider tne inclusion of appropriate changes in the FY 2010-11 CIP.

NOW THEREFORE, BE IT RESOLVED THAT the Board of Directors of Santa Clara Valley Water District DOES HEREBY approve the Fiscal Year 2009-10 Capital Improvement Program.

PASSED AND ADOPTED by the Board of Directors of Santa Clara Valley Water District by the following vote on August 25, 2009.

AYES:	Directors	P. Kwok, R. Santos, T. Estremera, R. Kamei, S. Sanchez
NOES:	Directors	L. Wilson
ABSENT:	Directors	J. Judge
ABSTAIN:	Directors	None

ATTEST: MICHELE **KING**

Deputy Clerk of the Board

SANTA CLARA VALLEY WATER DISTRICT

By: Sig Sanchez

SIG SANCHEZ
Chair/Board of Directors

CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District

2009/2010

CAPITAL IMPROVEMENT PROGRAM

BOARD OF DIRECTORS
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At Large

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District 1

Joe Judge, Vice-Chair
District 2

Richard P. Santos
District 3

Larry Wilson
District 4

Patrick Kwok
District 5

Tony Estremera
At Large

Submitted by

Beau Goldie
Chief Executive Officer

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INTRODUCTION
BUDGET OUTLOOK

The Santa Clara Valley Water District

is the primary water resources agency for Santa Clara County, California. Our key products and services are wholesale treated water; flood protection; environmental stewardship; and open space and trails.

Valley Water provides a reliable supply of clean, safe water for the 1.8 million people of the county. We also work to protect residents and businesses from the devastating effects of flooding; and serve as environmental steward for the county's 800-plus miles of streams and creeks, groundwater basins and District-owned reservoirs.

The Santa Clara Valley Water District is unique in the state as an independent special district with countywide responsibility for multiple key aspects of water resources management.

INTRODUCTION
BUDGET OUTLOOK

Santa Clara Valley Water District Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner for current and future generations.

Strategic Vision

To be valued by the community as a fiscally responsible water resources agency.

Especially in tough economic times, public agencies have a greater need to improve transparency and accountability to stakeholders and the community. In FY 2009-10 strategic planning—and in our adopted budget—the District is making a strong commitment to providing critical services with greater efficiency, increased accountability and maximum value for our customers.

Introduction

Fiscal responsibility and responsiveness

The primary challenge confronting the District, its stakeholders and customers is the economy. The state of California and the nation continue to endure the worst recession since the 1930s, with local unemployment at 10.8 percent in March 2009, state unemployment at 11.2 percent, and local property tax assessment rolls projected to drop by 2 percent.

Despite reduced water revenues and higher costs for conservation outreach, construction and water banking, the FY 2009-10 adopted budget generates efficiencies agency-wide while maintaining service effectiveness and critical infrastructure.

In light of the recession, the District is demonstrating our commitment to fiscal responsibility and accountability through increased efficiencies and cost savings, cutting approximately $24.5 million from planned expenditures for FY 2009-10. These cost savings allow the District to propose no increases in groundwater production charges, and address possible structural budget deficits in the Watersheds and Stream Stewardship programs.

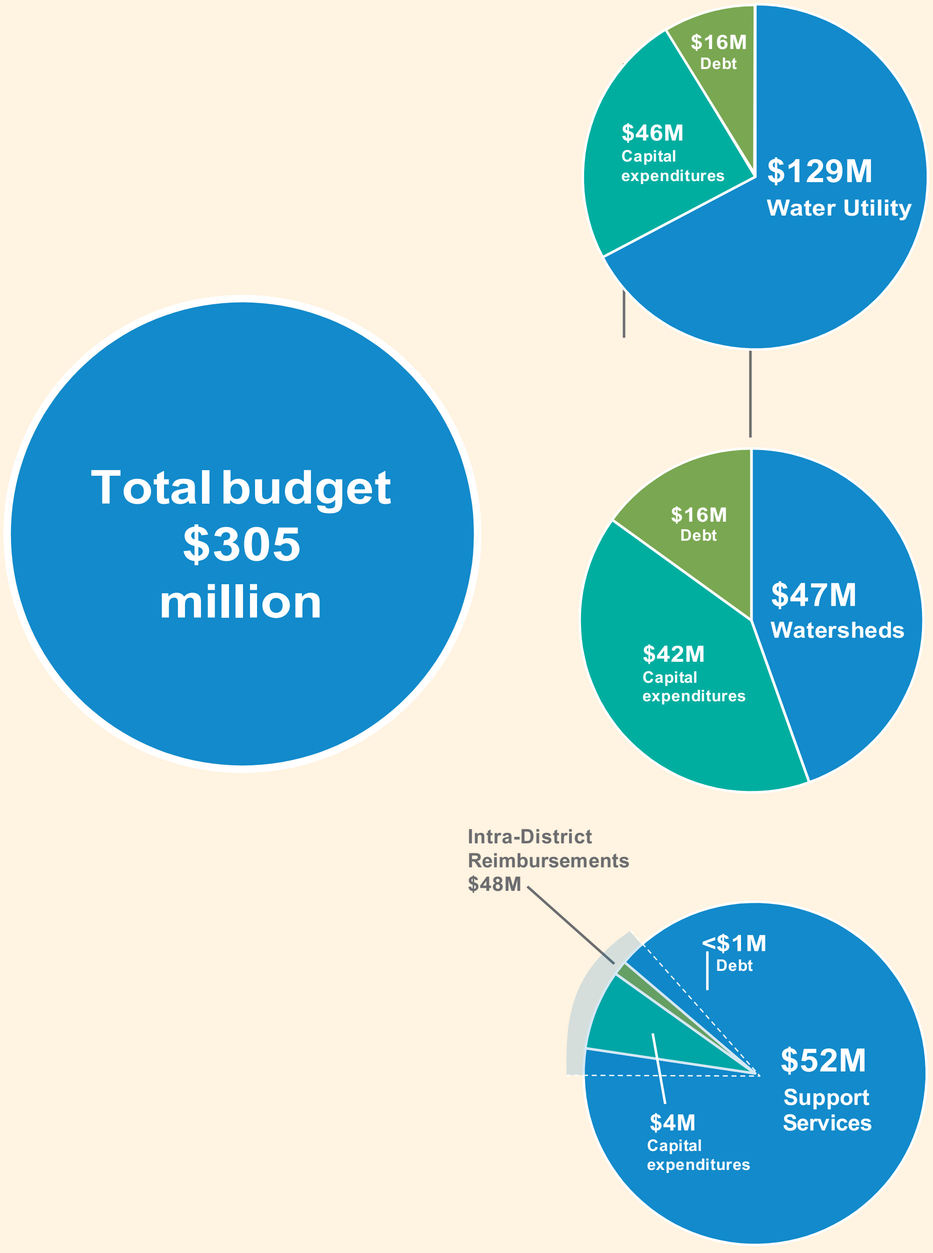
Despite reduced water revenues and higher costs for conservation outreach, construction and water banking, the FY 2009-10 adopted budget generates efficiencies agency-wide while maintaining service effectiveness and critical infrastructure.

Budget summary

The District's adopted operating and capital budget for FY 2009-10 is $305 million and includes $78 million for capital projects. This budget supports the District's mission and activities as independent water resources manager, wholesale water provider, flood protection provider and environmental steward for the service area of Santa Clara County.

This document provides an overview of the District's capital improvement program, including strategic direction, priorities and challenges, major capital improvements, and financial summaries.

What does the FY 2009-10 budget pay for?



- Treated water supply
- Reliable current water supply
- Reliable future water supply
- Efficient water use

- Protection from flooding
- Clean water in creeks
- Healthy creek and bay ecosystems
- Provide access to trails and open space

- Board support and District leadership
- Legal services
- Financial services
- Human resources
- Information systems
- Corporate business assets

The District budget is shown by business area: the Water Utility Enterprise, Watersheds, and Support Services. Highlights of products and services are provided to the right. Capital expenditures include capital support and operating expenditures such as water purchases, equipment, and capital support projects that are not detailed in the CIP plan.

Fund overview

The Santa Clara Valley Water District is unique among California water agencies due to the size of its jurisdiction and combination of its water supply, flood protection and stream stewardship functions. This multi-purpose approach allows the District to comprehensively manage water resources and achieve economies of scale.

To ensure and demonstrate compliance with financial and legal requirements, the District uses fund accounting. Although this chapter represents the District funtions as one entity, reflecting the integrated nature of our activities, the financial summary sections of the budget document are organized by fund, reflecting the separate and distinct nature of the District's activities from a financial perspective. Accounts related to activities of the Water Utility Enterprise have been segregated into one fund, while flood protection activities are segregated into other funds.

How is the District funded?

WATER UTILITY

Revenue sources include treated water and groundwater production charges; and proceeds from ad valorem property taxes.

Water Enterprise Fund

This enterprise fund accounts for ongoing water utility operations and is comprised primarily of charges to the District's groundwater and treated water customers.

WATERSHEDS

Revenue sources include the voter-approved Clean, Safe Creeks special tax; benefit assessments that support financing for flood protection projects; and proceeds from ad valorem property taxes.

Watershed and Stream Stewardship Fund

Clean, Safe Creeks and Natural Flood Protection

Benefit Assessment

These special revenue funds account for specific revenue sources, including the voter-approved Clean, Safe Creeks special tax, and benefit assessments. Expenditures for these sources are restricted by law or regulation to specific watershed functions or related District activities.

SUPPORT SERVICES

Revenue sources include internal overhead charges; proceeds from the ad valorem property tax; and interest earnings.

General Fund

Equipment Fund

Risk Insurance Fund

The general fund is a primary operating fund that accounts for all financial resources except those required to be accounted for in another fund.

The equipment and risk insurance funds are internal service funds used to account for intra-district financing of goods and services on a cost-reimbursement basis.

Note: A more detailed description of the District's fund structure may be found on page IX-2 of the Financial Planning chapter.

BUDGET OUTLOOK

Priorities and challenges for FY 2009-10

The District has identified the following priorities for the coming fiscal year in the face of significant challenges:

Responding to the economic crisis

The District is responding to the impacts of the ongoing recession in our community by cutting costs throughout our agency. For FY 2009-10, we have:

- Reprioritized work to address critical needs first, coupled with elimination or delay of lower-priority projects
- Reduced staffing by 29 positions
- Consolidated services and functions wherever possible
- Cut temporary staff, overtime and non-mandatory training
- Cut cell phone usage in half; limited travel and supplies
- Reduced 25 fleet vehicles, replacing some with hybrids for fuel efficiency
- Extended district-wide planned computer upgrade schedule

The District is responding to the impacts of the ongoing recession in our community by cutting costs throughout our agency.

Strategic planning for fiscal accountability

The District's business and budget priorities are driven by its strategic plan, which outlines three top issues and goals to be addressed over the next five years. These issues and goals, and strategies to address them in the adopted FY 2009-10 budget, are included below:

Issue 1 - Effective business practices and fiscal accountability must be demonstrated.

Goal: Stakeholders acknowledge significant improvements in our business practices and fiscal accountability.

Strategy 1: Improve product and service delivery
Strategy 2: Implement prudent financial plans
Strategy 3: Demonstrate value to key stakeholders

Issue 2 – Workforce capability, adaptability, efficiency and accountability must be achieved.

Goal: High workforce engagement is achieved to meet business needs in a changing and diverse environment.

Strategy 1: Improve workforce and organizational adaptability
Strategy 2: Create an environment of commitment and accountability

Issue 3 - The value of our assets must be maintained.

Goal: Assets are effectively and efficiently managed and protected.

Strategy 1: Make coordinated, environmentally responsible and prioritized asset investment decisions
Strategy 2: Strengthen and enhance our water supply reliability
Strategy 3: Prepare for continuity of service during disruptions

Continuing water shortage

As water shortages continue into a third year, consumer actions to meet the Board's call for mandatory 15 percent water conservation are projected to result in water utility revenue reductions of $9.5 million in FY 2009-10. Increased public outreach on water conservation is allocated $1 million in the adopted budget. Other impacts include:

- Costs associated with bringing 31,500 acre-feet of "banked" water into the county for supplemental supplies, budgeted at $4.4 million.
- Regulatory actions governing water importation via the Sacramento-San Joaquin delta have resulted in a reduction of District imported water supplies—the State Water Project to 30 percent, and the federal Central Valley Project to 60 percent of contract deliveries.
- Two exotic mussel species—the zebra and quagga—are wreaking havoc in many state waterways by clogging flows and shortening the life of critical infrastructure. District reservoirs and facilities are currently free of these mussels, but are threatened by their potential introduction via boats. The District is budgeting $0.8 million in FY 2009-10 to continue boat inspections, conduct research and complete a response plan that will detail longer-term preventative measures.

Water shortage impacts:
Mandatory water conservation of 15 percent is projected to result in reductions to water utility revenue by approximately $9.5 million. Increased public outreach on water conservation is budgeted at $1 million, while importing 31,500 acre-feet of "banked" water into the county is budgeted at $4.4 million.

Asset management and dam safety

The District manages its assets to minimize risk of failure in providing reliable products and services. In addition to developing a District-wide asset management framework in FY 2009-10, key asset management activities include:

- Completing scheduled condition assessments and planning funding estimates as part of the Annual Maintenance Work Plan for the District's Water Utility Enterprise and Watersheds, allocated approximately $0.6 million and $2.5 million, respectively.
  - Focus on systematic approach toward asset management

The District carries out a comprehensive dam safety program for its 10 dams, and works with state and federal regulators on dam operation and safety, including seismic stability evaluations. Activities for FY 2009-10 include:

- Analyzing and reporting on dam surveillance, safety, site geology and inundation map studies, and conducting post-earthquake dam assessment training, allocated $1.8 million.
- Dam/reservoir maintenance and associated environmental planning, allocated about $1 million.
- Completion of field and lab investigations for the Almaden, Anderson, Calero and Guadalupe dams, and beginning the field and lab investigations for Stevens Creek and Lenihan dams as part of the Seismic Stability Evaluation capital project; budgeted at $2 million.

Leveraging federal stimulus funding

The District was successful in securing federal stimulus funding of $18 million from NRCS, which brought the much-needed Lower Silver Creek flood protection project back on track. The USBR committed $12.6 million for two recycled water projects and NOAA provided $1 million for construction of the Pond A8 Applied Study project as part of a larger grant to the Coastal Conservancy for the South Bay Salt Pond Restoration. In addition, the U.S. Army Corps of Engineers, a district partner, received $12.5 million to complete the District's Downtown Guadalupe Flood Protection Project. Additional stimulus funding is being pursued.

Construction costs

- The District is assuming a 7 percent annual increase in construction costs, despite the economic downturn. This increase continues to be driven by global demand for materials. The market conditions factor—previously set at 10 percent—is reduced to zero in the FY 2009-10 budget, reflecting a local and national trend of strong availability of experienced, well-qualified contractors for District capital construction.

Workforce planning

- *Continued shortage of highly-qualified staff; projected District staff retirements.* Water agencies throughout the nation are facing the loss through retirement of experienced trade and technical staff, who are critical to providing water supply and watershed services to the public. Many trade and professional groups, including the American Water Works Association, the American Public Works Association and the American Society of Civil Engineers, have identified this trend and are actively working with water utilities to promote better employee recruitment and retention.
    - For FY 2009-10, the District will be developing and implementing a pilot program in its Water Treatment Operations and Maintenance division that will address retirement projections; succession planning; optimization of staffing to meet operational requirements; knowledge management and transfer processes; training and development plans; and recruitment strategies.
- *Optimizing staffing.* As part of its cost-cutting and efficiency measures, the District has cut 29 positions in the adopted FY 2009-10 budget, and will use future vacancies to supplement critical work. Executive management will continue the process to review positions as they become vacant to determine appropriate disposition. In addition, several positions are being redeployed to key strategic areas, while staffing for lower-priority work has been reduced.

Revenue Outlook

The District's two primary business areas are (1) the Water Utility Enterprise and (2) the Flood Protection and Stream Stewardship Program, both of which provide revenues for the District. The District's General Fund supports these two business areas. Total District revenues for FY 2009-10 are projected at $294 million.

The *Water Utility Enterprise* derives its revenues primarily from groundwater production charges; treated water sales; income from investments; a percentage of the county ad valorem property tax; and grants.

The District's two primary business areas are (1) the Water Utility Enterprise and (2) the Flood Protection and Stream Stewardship Program, both of which provide revenues for the District. The District's General Fund supports these two business areas. Total District revenues for FY 2009-10 are projected at $294 million.

The nationwide economic crisis and the California drought have brought instability to the water utility revenue projection. For the first time since the Great Depression, the property tax assessment roll for Santa Clara County is estimated to fall by as much as 2 percent. This would mean a decrease of approximately $1.1 million versus the prior-year projection for one-percent ad valorem property tax allocated to the District's water utility.

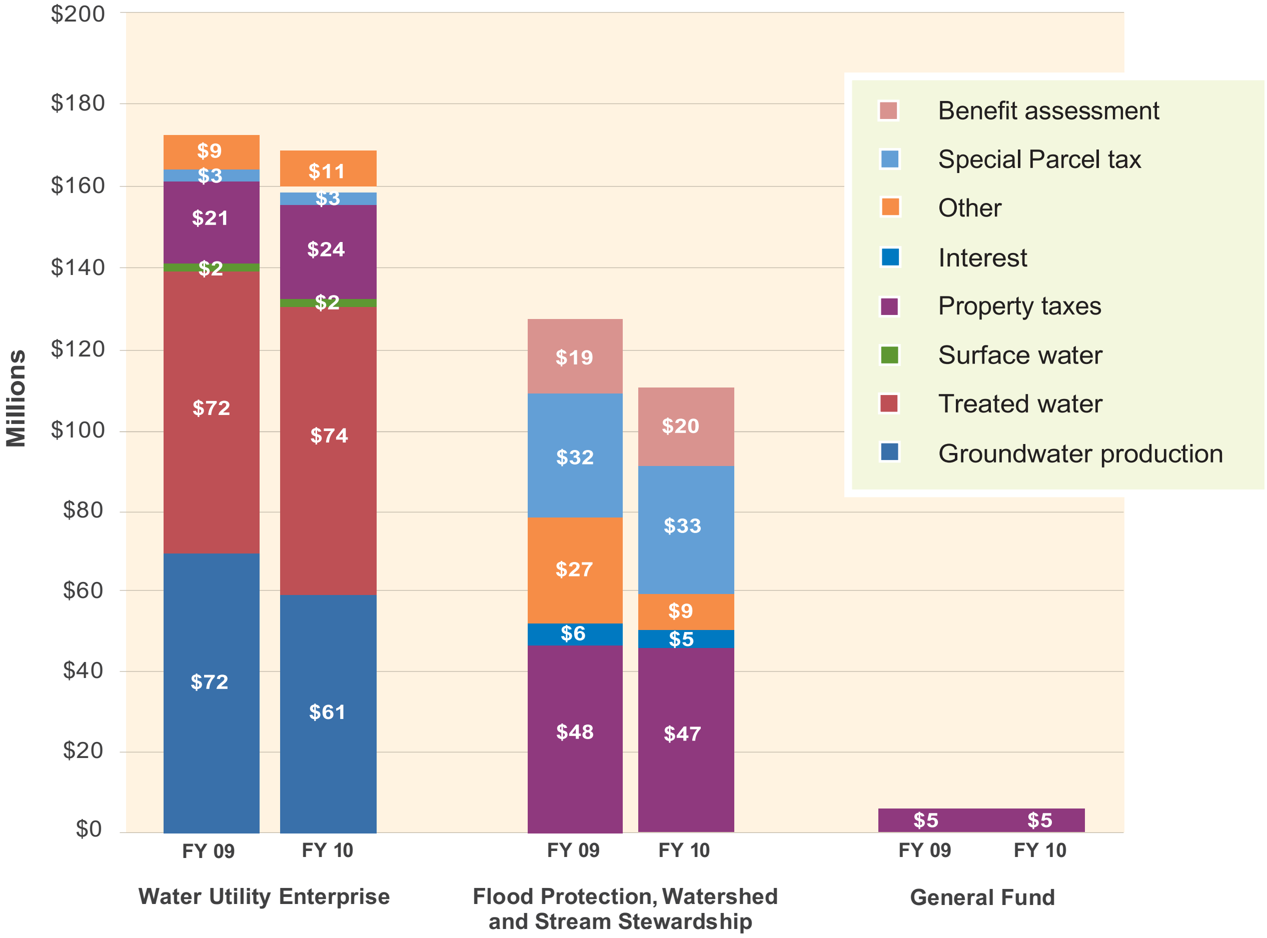
A far larger impact on revenue may occur as a result of the response to water shortages. In March 2009, the District Board of Directors called for 15 percent mandatory water conservation. The decrease in water use projected to result from meeting this mandate is anticipated to reduce water utility revenue by approximately $9.5 million in FY 2009-10.

With no increase in water charges, the total budgeted FY 2009-10 water utility revenue is $174.5 million, $4.3 million below the FY 2008-09 budget.

The *Flood Protection and Stream Stewardship Program* derives its revenues from a portion of the county ad valorem property tax; the Clean, Safe Creeks special tax; benefit assessments; proceeds from debt financing; and income from investments. Capital reimbursements from local, state and federal sources, and to a lesser degree, grants, provide the balance of available funding. The declining property tax assessment roll may result in a $2.8 million reduction in the one-percent ad valorem property tax revenue versus the prior-year projection. Benefit assessment revenue, which is levied to meet debt service obligations, is projected to be roughly flat from year to year, and the Clean, Safe Creeks special tax revenue is anticipated to increase by 3 percent in FY 2009-10. Total budgeted FY 2009-10 Flood Protection and Stream Stewardship Program revenue is $113.6 million, $19 million lower than the FY 2008-09 budget, due mainly to a reduction in capital reimbursements.

The District's *General Fund* also receives an allocation of the one-percent ad valorem property tax, which offsets costs allocated to the primary business areas through the overhead rate. Total budgeted FY 2009-10 General Fund revenue is $5.7 million, which is flat compared to the FY 2008-09 budget.

FY 2009/10 total revenues = $294 million



Total District-wide revenue for the FY 2009-10 budget is $294 million. This figure reflects a $4.2 million decrease in water utility revenue, primarily from projected reductions in water use and reduced capital reimbursements.

Groundwater Production Charges

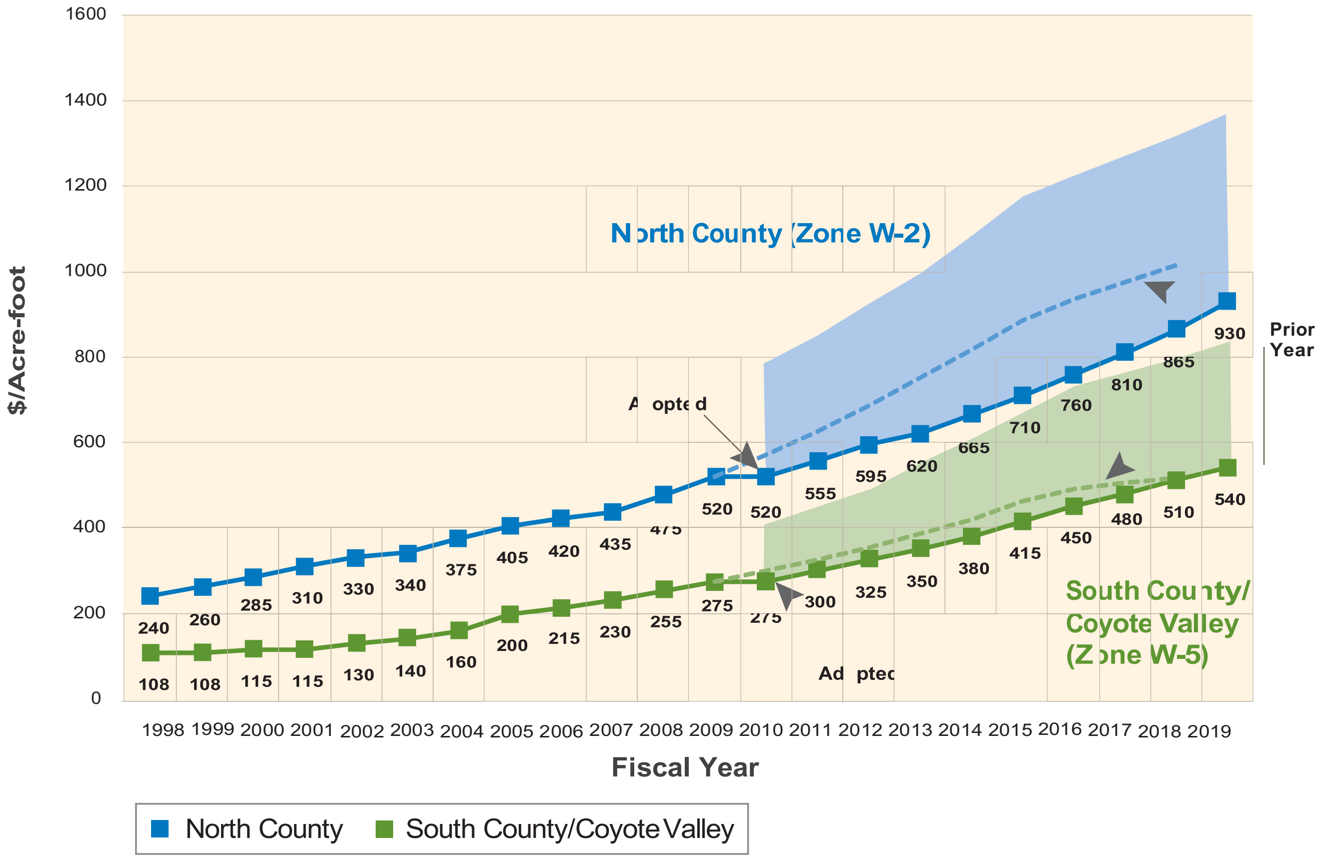
Groundwater production charges fund all operations and capital projects associated with managing District groundwater supplies, and are driven by many factors, including costs for imported state and federal water supplies and for critical infrastructure and maintenance activities.

While the District's cost to provide water service in Santa Clara County is not increasing in FY 2009-10, consumers' water bills may be higher due to cost increases from their investor-owned or municipal water providers.

The District's groundwater production charges are based on two zones of benefit, one in the northern part of the county and one in the south. Charges differ in the two zones based on benefits delivered by the District. There are no treatment plants or treated water surcharges in the south zone.

In March 2009, staff filed the Annual Report on the Protection and Augmentation of Water Supplies, which contained the staff-recommended groundwater production charges for FY 2009-10. Staff adopted a 4.8 percent increase in the North County and a 3.6 percent

Groundwater Production Charges for Municipal & Industrial Uses



The lower end of the range represents the adopted groundwater production charges for FY 2009-10 and the corresponding future trajectory based on the assumption that operating services will continue at the level budgeted in FY 2009-10. The high end of the range supports funding all operational and capital needs identified by water utility staff, although there are many future uncertainties that could result in the identification of additional needs.

increase in the South County Municipal and Industrial (M&I) charge. This proposal assumed that staff could achieve $12.5 million in operations cost reductions. However, during the budget process, staff was able to achieve operations cost reductions beyond the $12.5 million assumption. Consequently, staff is proposing no increase to the M&I as well as agricultural groundwater production charges for FY 2009-10.

The adopted FY 2009-10 groundwater production charges are as follows:

- Zone W-2 (North County): Municipal/industrial, $520 per acre-foot, no increase from FY 2008-09.

  The treated water surcharge is $100 per acre-foot, which is added to the basic user charge of $520 for a total of $620 per acre-foot for treated water customers. The Zone W-2 agricultural charge is $16.50 per acre-foot.
- Zone W-5 (South County): Municipal/industrial, $275 per acre-foot, no increase. The Zone W-5 agricultural charge is $16.50 per acre-foot.

The lower proposals for groundwater production charges are based on the water utility meeting targets for operational cost efficiencies.

Wholesale Agency Rate Comparison

Wholesale Agencies	FY 2008-09	FY 2009-10	
SCVWD North W-2 (Groundwater per AF)	$520	0.0%	Adopted
SCVWD North W-2 (Treated Water per AF)	$620	0.0%	Adopted
SCVWD South W-5 (Groundwater per AF)	$275	0.0%	Adopted
Metropolitan Water District (Treated Water per AF)*	$651	19.7%	Staff projection
Orange County Water District (Groundwater per AF)**	$249	0.0%	Per FY 09/10 budget
San Diego County Water Authority (Treated Water per AF)*	$827	20.0%	Staff projection
San Francisco Public Utilities Commission (Treated Water per AF)	$623	15.4%	Adopted
Zone 7 Water District (Treated Water per AF)*	$804	16.0%	Staff projection

*MWD, SDCWA and Zone 7 rates based on a calendar year.
**Benefiting from one-time unanticipated revenue increase and cost reductions, totaling $10 million.

The District's adopted groundwater production and treated water charges are flat for FY 2009-10, compared with a trend among many agencies in the state toward double-digit rate increases.

Local community and economy

The District serves the larger community of Santa Clara County, including Silicon Valley business centers, neighborhoods, agricultural areas and miles of important wildlife habitat. Although the District began by serving agricultural water needs, its largest segment of water users is now municipal/industrial.

Just under 1.8 million individuals-- 1,764,499—lived in Santa Clara County in July 2008 (U.S. Census). The population of the region continues to grow at a higher rate than the rest of the state, due primarily to immigration. The population also continues to be highly educated, with about 45 percent of adult residents earning four-year or graduate degrees.

Demographically, Santa Clara County's population includes 39.5 percent White, 2.74 percent Black, 27.2 percent Asian and 26.3 percent Hispanic residents (California Department of Finance).

The recession currently gripping the nation is keenly felt in Santa Clara County. Local unemployment was at 10.8 percent in March 2009, with nearly 100,000 people out of work, compared to 5.2 percent in March 2008 (State of California Employment Development Department).

Residential property value is projected to decline about $18 billion, likely resulting in the largest drop in property taxes in county history—about 2 percent. Compared with last year, more than twice the number of homeowners are likely to experience a significant decrease in the value of their homes.

As the center of Silicon Valley, Santa Clara County has experienced both historic booms and busts in the past, and the response to each economic downturn has been a renewed focus on adaptation and innovation. As dire as many economic indicators are currently, other areas are showing continued local growth, and may lead the valley's economy in a faster-than-anticipated recovery.

If there is a bright spot in the regional employment picture, it may be the continued growth of "clean" and "green" businesses. Through the end of 2008, the number of jobs and businesses providing green products and services had shown a 23 percent increase since 2005. The recognized challenge, though, is to develop a workforce with skills that green industries need. Unfortunately, current state projections do not show the state meeting expected demand for college-educated skilled workers in the next decade (Index of Silicon Valley).

Real estate, and the marked change in the housing market, provides another indicator of an economy under stress. The median price of existing homes sold in Santa Clara County dropped from $660,000 in February 2008 to $407,000 in February 2009 (Calif. Assoc. of Realtors). This follows the news that the number of homes in foreclosure rose faster in Silicon Valley than in California as a whole in 2008 (Index of Silicon Valley).

One encouraging sign in Santa Clara County real estate, however, is that the number of homes being sold has increased each month during the first quarter of 2009 over the same months in 2008 (San Jose Mercury News).

Though facing difficult economic times, Silicon Valley residents remain active in support of environmental issues. For example, from 2000 to 2007 gross per capita water consumption dropped by 3 percent and newly registered alternative-fuel vehicles far outpaced the rest of the state. Additionally, 13 percent of the state's solar capacity was added in Silicon Valley in 2008 (Index of Silicon Valley).

OVERVIEW

OVERVIEW

The Santa Clara Valley Water District's (District) Fiscal Year 2009-10 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2009-10 through Fiscal Year 2013-14. The purpose of the CIP is to document planned District projects to help integrate District work with the larger community by aligning District planning with other local agency planning efforts.

The District's CIP is developed following the guidelines of Government Code (GC) § 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all agencies having land use authority within the District prior to adoption of the program. This document is intended to provide the information necessary to facilitate planning and construction of water related infrasructure to meet the needs of Santa Clara County.

Santa Clara Valley Water DistriCt

Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

Vision

Getting Cleaner, Greener and Leaner, Together

The CIP is prepared in accordance with the guidelines established by the Government Finance Officer Association (GFOA). Capital projects in this document are defined by both the accounting criteria for capital investment and Public Contract Code definition of public works. They exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

There are some miscellaneous capital expenditures incurred by the District that are not captured in the CIP. These capital expenditures include certain components of water purchases, indirect costs to manage and train staff that are fully engaged in capital work, and routine replacement of computers, vehicles and large equipment.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects.

OVERVIEW

Alignment of the CIP with program or master plans provides a direct link to Ends Policies and ensures the District's long-term capital investments are planned and executed according to the Board's priorities. Four Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP.

- Ends Policy E-2.1 "There is a reliable supply of healthy, clean drinking water."
- Ends Policy E-2.2 "There is reduced potential for flood damages."
- Ends Policy E-3.1 "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."
- Ends Policy E-3.2 "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

(See flowchart "CIP Process Alignment with Ends Policies" on page II-4)

CIP PLANNING PROCESS

The District conducts an annual planning process for its Capital Improvement Program. The purpose of the planning process is to ensure the capital projects included in the CIP:

- meet the Board's priority and contribute to the objectives of the District's various programs
- have identified funding for the duration of the projects
- are coordinated with the local jurisdiction's General Plans.

The CIP planning process is carried out in accordance with the following Executive Limitations.

- Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Program with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."

- Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Program do not deviate materially from the Board's priorities."

The annual CIP process is the responsibility of the CIP Committee comprised of division/office managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO procedure. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects
- Outreach to local jurisdictions within Santa Clara County, to coordinate the District's Capital Improvement Program with their General Plans
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP plan

OVERVIEW

The annual CIP planning process takes approximately 15 months to complete. The process starts with collecting information on proposed new capital projects in July, followed by six months of preliminary scoping, priority and financial analyses to produce a Draft CIP in January. The Draft CIP serves as a multi-year plan, together with other long-term planning efforts of the District, to propose the budget for the following fiscal year. Once the budget is approved by the Board in June, the Draft CIP is revised to incorporate the Board's budget direction. This Draft CIP plan is then reviewed by local jurisdictions for consistency with their General Plans. The Board listens to comments from local jurisdictions, and feedback from a public hearing, then formally adopts the CIP in October.

Board Direction and CIP Outreach

The Board has many opportunities each year to provide direction on projects contained in the Capital Improvement Program. The CIP is developed in parallel with the budget and the water rates. The Draft CIP is presented to the board so they can review it and provide direction to staff, ensuring that the final document is in line with board priorities.

On October 14, 2008 the Board held a public hearing and adopted the FY 2008-09 CIP. On March 14, 2009 the FY 2009-10 project list and prioritization criteria were reviewed and endorsed by the Board. The following are highlights of changes from the previous year that were approved as the basis for the FY 2009-10 CIP:

- Appropriations for the Dam Safety Seismic Stability project were increased to $149 million to fund initial implementation of improvements identified by the planning study.
- IRP2 Well Fields included as a funded project ($147M) to improve water supply reliability after an event that disrupts service.
- 11 new projects were funded including four Small Capital Improvement projects, to facilitate the repair and replacement of water utility assets.
- 16 projects closed and removed from the CIP.

Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine to not implement a project based on various considerations such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs at the end of the design phase when the Board approves the plans and specifications to solicit bids for construction of the project.

CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Ends Policy E-2.1 There is a reliable supply of healthy, clean drinking water.	**Program Plans or Master Plans** 4 **1990** SCVWD Action Plan for reducing disinfection by-product (Board approved) 4 Integrated Water Resource Plan (Board Work Studies) 4 **1999** Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved) 4 **2004** Santa Clara Valley Water District AssetManagement Program Implementation Plan 4 **2005** Urban Water Management Plan (Board approved) 4 **2005** Dam Safety Plan 4 **2005** Water Infrastructure Reliability Plan 4 **2006** South County Water Recycling MasterPlan (Board approved)	Fy 2009/2010 CiP 4 **61 - Water Supply Capital Projects**
Ends Policy E-2.2 There is a reduced potential for flood damages.	**Program Plans or Master Plans** 4 **1986** Benefit Assessment Program (Board approved) 4 **1990** Benefit Assessment Program (Board approved) 4 **2000** Clean Safe Creek Program (Board approved) 4 **2001** Stream Maintenance Program (Board approved)Annual Watershed Facility Inspection Program (for Lower Peninsula, West Valley, Guadalupe, Coyote and Uvas/Llagaswatersheds) 4 Feasibility Cost Sharing Agreements with the US Army Corps of Engineers	Fy 2009/2010 CiP 4 **22 - Flood Protection Capital Projects**
Ends Policy E-3.1 Mitigations are implemented to protect watersheds, streams, and the natural resources therein.	**Program Plans or Master Plans** 4 CEQA commitments 4 Regulatory permitting commitments	Fy 2009/2010 CiP 4 **6 - Mitigation Capital Projects**
Ends Policy E-3.2 Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein.	**Program Plans or Master Plans** 4 Enhancement Program per Clean Safe Creeks Program (Board approved) 4 Enhancement opportunities determined appropriate by the Board • Fish and Aquatic Habitat Collaborative Effort • Natural Resource Damage Assessment • Other	Fy 2009/2010 CiP 4 **6 - Enhancement Capital Projects**
Strategic Support	**Program Plans or Master Plans** 4 **1990** Facilities Master Plan - Site Analysis Report (Board approved) 4 **2005** Needs Assessment and Plan Feasibility Study	Fy 2009/2010 CiP 4 **2 - Buildings and Grounds Capital Project**
Strategic Support	**Program Plans or Master Plans** 4 **2001** Information System Master Plan 4 **2003** Enterprise-wide Master Communication Plan	Fy 2009/2010 CiP 4 **4 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

OVERVIEW

FISCAL YEAR 2009-10 CIP SUMMARY

The recommended CIP for FY 2009-10 includes 101 priority projects to implement the goals and objectives of the District's program plans and master plans. These projects are grouped into six types of improvements.

- *Water Supply Capital Improvements*
  61 projects contributing to Ends Policy E-2.1
- *Flood Protection Capital Improvements*
  22 projects contributing to Ends Policy E-2.2
- *Mitigation Capital Improvements*
  6 projects contributing to Ends Policy E-3.1
- *Enhancement Capital Improvements*
  6 projects contributing to Ends Policy E-3.2
- *Buildings and Grounds Capital Improvements*
  2 projects supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  4 projects supporting District efforts to achieve the Ends Policies

Each of the 101 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for the District are property taxes, a special parcel tax and water production charges for use of groundwater, treated water, and surface water. These revenues are organized into seven funds. Six of the seven funds have a specific purpose and only finance the operational and capital expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. The District continues to receive a small amount of revenue from benefit assessments that were approved by voters in the 80s and 90s. These funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, four of the seven funds are used to finance the six types of capital improvements in the CIP.

The passage of the American Recovery and Reinvestment Act (ARRA) by congress in February of 2009 made additional federal funds available for construction of infrastructure projects. With 82 active capital projects the distict is well positioned to benefit from ARRA funds. We have applied for funds for 26 capital projects from 6 agencies distributing ARRA funds. By late July the District had recieved an $18 million commitment from the Natural Resource Conservation Service (NRCS) to continue work on Lower Silver Creek, from I-680 to Lake Cunninham. The US Army Corps of Engineers (USACE) had secured $12.5 million to complete the downtown portion of the Guadalupe River project. The US Bureau of Reclamation committed $12.6 million for two recycled water projects. The California Coastal Conservancy committed $1 million for construction of the Pond A8 advanced study project from a larger NOAA grant for the South Bay salt pond restoration.

This chart identifies which types of improvement are associated with each of the District's four capital funds.

District Priorities	District Funds			
Type of Improvement	**Water Enterprise Fund**	**Watershed Stream Stewardship Fund**	**General Fund**	**Clean Safe Creeks Funds**
Water Supply	●			
Flood Protection		●		●
Mitigation	●	●		
Enhancement	●	●		●
Buildings and Grounds	●	●	●	
Information Technology	●	●	●	

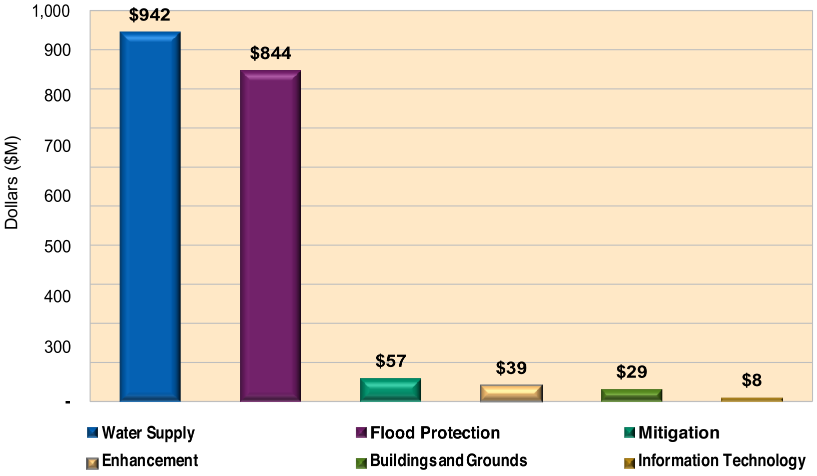
OVERVIEW

The estimated total funding required to implement the 101 projects defined in the CIP is $2.178 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $2.178 billion total funding, $477 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers (USACE), and $1.701 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C. Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

Of the $477 million that is expected from the District's partners, $219 million is advanced by the District and reimbursed later. This $219 million is included in the CIP, and increases the District's total funding requirement from $1.701 billion to $1.92 billion, to ensure that the District has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

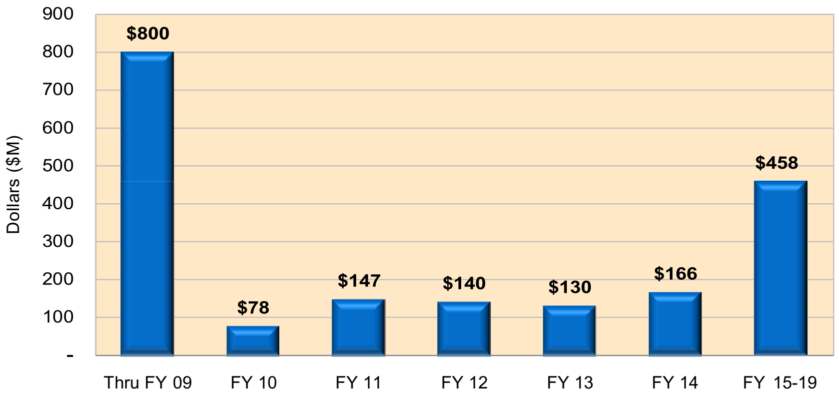


The chart above shows the distribution of the $1.92 billion total CIP funding as planned in the FY 2009-10 CIP.

The chart shows how the $1.92 billion to implement the 101 projects is allocated to each of the six Types of Improvements.

Of the $1.92 billion in total funding for the 101 projects identified in the CIP, the Board has appropriated $800 million in prior years (through June 30, 2009 the end of Fiscal Year 2008-09). This year's CIP process identified additional funding needs of $1.12 billion to complete the projects in the CIP, with $78 million allocated in Fiscal Year 2009-10 and a total of $1.042 billion proposed for future years. Included in the $1.042 billion proposed future funding is a funding shortfall of $7 to $10 million, for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund. The chart shows how the $1.92 billion is distributed by fiscal year. The following table breaks down the fiscal year total by the six types of improvement and by applicable funding sources.

CIP Funding Schedule



CIP Funding Schedule by Type of Improvement and Funding Sources

	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
WATER SUPPLY										
Water Enterprise Fund	126,460	103,335	85,859	31,505	76,478	81,722	74,831	87,403	360,703	942,436
Water Supply Total	**126,460**	**103,335**	**85,859**	**31,505**	**76,478**	**81,722**	**74,831**	**87,403**	**360,703**	**942,436**
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	370,597	14,597	14,382	11,935	17,181	1,654	2,828	295	14,220	433,307
Clean, Safe Creeks and Natural Flood Protection Fund	94,090	39,581	31,079	18,605	39,785	47,701	34,621	69,625	67,150	411,158
Flood Protection Total	**464,687**	**54,178**	**45,461**	**30,540**	**56,966**	**49,355**	**37,449**	**69,920**	**81,370**	**844,465**
MITIGATION										
Water Enterprise Fund	0	0	0	3,000	713	614	2,909	6,460	2,141	15,837
Watershed Stream Stewardship Fund	23,283	292	7,123	7,673	845	293	8,081	225	257	40,949
Mitigation Total	**23,283**	**292**	**7,123**	**10,673**	**1,558**	**907**	**10,990**	**6,685**	**2,398**	**56,786**
ENHANCEMENT										
Water Enterprise Fund	2,109	7,723	576	392	2,320	5,144	4,252	0	0	21,940
Watershed Stream Stewardship Fund	3,012	3,584	345	1,773	7,464	811	467	0	0	17,110
Clean, Safe Creeks and Natural Flood Protection Fund	250	0	250	0	0	0	0	0	0	250
Environmental Enhancement Total	**5,371**	**11,306**	**1,171**	**2,165**	**9,784**	**5,955**	**4,719**	**0**	**0**	**39,300**
BUILDINGS AND GROUNDS										
Water Enterprise Fund	1,903	10	0	139	0	0	0	0	0	2,052
General Fund	0	2,028	0	2,084	2,172	2,263	2,358	2,457	13,921	27,283
Buildings and Grounds Total	**1,903**	**2,038**	**0**	**2,223**	**2,172**	**2,263**	**2,358**	**2,457**	**13,921**	**29,335**
INFORMATION TECHNOLOGY										
Water Enterprise Fund	3,215	3,104	743	293	220	0	0	0	0	6,832
Watershed Stream Stewardship Fund	501	364	403	195	224	0	0	0	0	1,283
Information Technology Total	**3,715**	**3,468**	**1,146**	**488**	**444**	**0**	**0**	**0**	**0**	**8,115**
TOTAL	**625,419**	**174,617**	**140,760**	**77,594**	**147,402**	**140,202**	**130,347**	**166,465**	**458,392**	**1,920,437**
CUMULATIVE TOTAL	**625,419**	**800,036**		**877,630**	**1,025,032**	**1,165,234**	**1,295,581**	**1,462,045**	**1,920,437**	

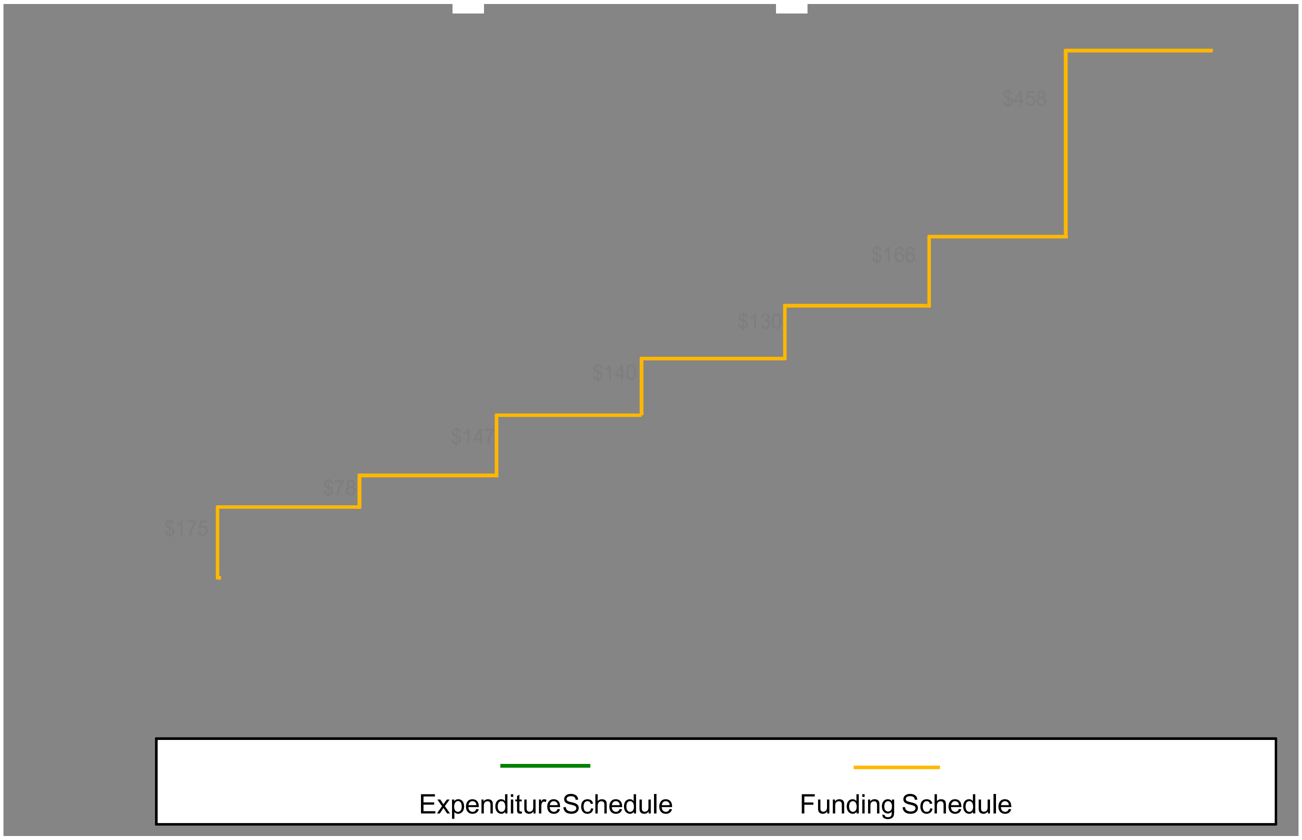
▭ *FY 2008-09 Funds to be reappropriated*

OVERVIEW

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately $141 million of the already appropriated $797 million is not spent. Of the $141 million, $110 million is reappropriated to Fiscal Year 2009-10 for continued use in those same projects in amounts consistent with the project expenditure schedule for Fiscal Year 2009-10.

The portion of the balances that are not reappropriated to Fiscal year 2009-10, $31 million, will remain as designated reserves for Current Authorized Projects to be reappropriated in future years in accordance with the projects expenditure schedule beyond Fiscal Year 2009-10 (see Appendix D and individual project pages). The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.

CIP Funding Schedule vs. CIP Expenditure Schedule



WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2.1, "There is a reliable supply of healthy, clean drinking water."

Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

- South County Recycled Water Distribution System

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt ground water basin subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the county.

In the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding have brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

The facility renewal program for Rinconada Water Treatment Plant (RWTP) that was started in FY 2008-09 is continuing with seven individual capital projects and $17 million planned expenditures in FY 2009-10. The CIP includes a total investment of $223 million for improvements at RWTP.

With a significant portion of the Water Supply infrastructure approaching forty to fifty years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply Capital Improvement Program in recent years, as shown in the CIP.

Major Capital Improvements Identified in CIP

Storage:

- Dam Safety Program Seismic Stability
- Lenihan Dam Outlet Modifications
- Pacheco Pumping Plant ASD Replacement

Transmission:

- IRP2 Well Fields
- Almaden-Calero Canal Rehabilitation
- Main and Madrone Avenue Pipelines Restoration
- Stevens Creek-Vasona Raw Water Distribution

Treatment:

- IRP2 Seismic Study and Retrofit of Water Treatment Plants and Operations Buildings
- Rinconada Water Treatment Plant Facility Renewal Program (seven projects)
- RWTP Reliability Improvement

Recycled Water:

- Recycled Water Advanced Treatment Facility at San Jose Water Pollution Control Plant
- Recycled Water Master Plan - Gilroy Pipelines and Reservoirs

WATER SUPPLY CAPITAL IMPROVEMENTS

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new water supply projects proposed to be added to the Fiscal Year 2009-10 CIP reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine the limitations to funding the projects in the approved Fiscal Year 2009-10 capital program. Results of this year's prioritization process and financial analysis are summarized in Appendix B.

Based on the feedback from the FY 2006-07 CIP and Board direction, a concerted effort was made to develop a multi-year water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. Each year staff reviews Board priorities, the financial needs of the water utility enterprise fund, current political and economic factors and updates the multi-year structure. The rate structure for the first year is recommended to the Board for adoption during the annual rate setting process.

The Water Utility capital program is scheduled to recieve $12.6 million in ARRA funds from the US Bureau of Reclamation, $8.25 million for the Recycled Water Advance Treatment Facility and $4.35 for the Recycled Water South County Master Plan Implementation.

The majority of capital projects included in the 5-Year CIP are related to asset management which replaces aging equipment and facilities, or infrastructure reliability, which protects the county's baseline water supply.

The District is currently engaged in several critical studies related to understanding the conditions of various existing water supply facilities or meeting future water supply needs of the county. These studies, such as San Luis Low Point Solution, Dam Safety Program or South County Water Supply Master Plan, will likely identify a number of new capital projects with significant capital investments. Following is preliminary information from these studies:

- San Luis Low Point Solution ($118M)
- Construct Advanced Recycled Water Treatment Plant – Coyote Valley ($25M)
- Construct Diversion to Maximize Recharge Capability at Church Avenue ($4M)
- Construct new South County Recharge Ponds ($40M)
- Long Term South County Recycled Water Facility Expansion Project ($9M)

WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Water Supply Capital Improvements

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
	STORAGE FACILITY										
91854001	Almaden Dam Outlet Works Improvements	2,103	-	-	-	800	834	869	1,201	13,186	18,993
91874003	Calero/Fellows Dike Improvement	3,412	471	1,096	-	7,244	543	-	-	-	11,670
91884002	Coyote Dam Control Building Improvements	-	-	-	347	-	-	-	-	-	347
91084010	Dam Instrumentation	6,513	-	838	-	-	-	6,246	344	-	13,103
91084019	Dam Safety Program Seismic Stability Evaluation	-	-	-	2,011	1,291	11,370	16,504	7,677	109,895	148,748
91904005	Lenihan Dam Outlet Modifications	39,661	24,723	2,698	-	-	-	-	-	-	64,384
91954001	Pacheco Pumping Plant ASD Replacement	3,019	7,723	8,872	-	6,804	611	295	-	-	18,452
91214008	Pacheco Pumping Plant Regulating Tank Recoating	223	2,525	183	1,021	-	-	-	-	-	3,769
91214009	San Felipe Communications Cable Replacement	264	368	407	-	1,049	520	-	-	-	2,201
91214007	San Luis Reservoir Low Point Improvement - Planning	15,143	-	1,938	-	-	-	-	-	-	15,143
91124001	San Tomas Well Field	11,826	172	222	442	-	-	-	-	-	12,440
91C40260	SCADA Wireless System Overhaul for Dams and Reservoirs	-	-	-	-	855	911	965	-	-	2,731
91214010	Small Capital Improvements, San Felipe	-	-	-	1,712	1,785	-	730	-	857	5,084
	TRANSMISSION FACILITY										
92404003	Almitos Diversion Dam Improvements	820	2,113	2,091	-	-	460	-	-	-	3,393
92724001	Almaden-Calero Canal Rehabilitation	2,086	502	1,135	-	-	235	6,422	1,106	256	10,607
92484003	Coyote Diversion Dam Improvements	677	-	408	-	622	1,280	-	-	-	2,579
94344006	East Pipeline Rehab, Patt to Ocala	-	-	-	1,510	-	-	-	-	-	1,510
92374005	IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	36	124	846	693	-	1,699
94C40308	IRP2 Well Fields	-	-	-	-	3,372	6,325	5,859	6,105	125,094	146,755
92534003	Kirk Diversion Dam & Fish Screen Improvements	313	214	-	2,601	350	-	-	-	-	3,478
92564002	Main & Madrone Avenue Pipelines Restoration	918	71	603	3,010	3,144	-	-	-	-	7,143
92604002	Page Desilting System Improvements	-	310	164	532	-	-	-	-	-	842
92614004	Penitencia Fish Facilities Modifications	-	-	-	276	240	188	934	-	-	1,638
92C40252	Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	-	282	-	-	-	-	282
94554002	Santa Clara Distributary Turnout	98	156	2	271	-	-	-	-	-	525
92764009	Small Capital Improvements, Raw Water Transmission	-	-	-	302	267	153	1,273	2,313	3,306	7,614
94764006	Small Capital Improvements, Treated Water Transmission	-	-	-	-	759	1,639	1,180	436	4,025	8,039
92144001	South County Pipeline Right of Way Acquisition	-	174	174	-	204	1,244	670	-	-	2,292
92764010	Stevens Creek & Vasona Raw Water Distribution	-	-	-	122	807	13,029	4,525	13,108	-	31,591
92C40253	Treated Water Pipeline Turnout Improvement - Planning	-	-	-	-	-	294	-	-	-	294
92264008	Vasona Pumping Plant Electrical Upgrades	-	-	-	-	-	-	123	542	6,091	6,756
94364002	West Pipeline Rehab, Cox Ave. to Granger Ave.	-	-	-	2,274	-	-	-	-	-	2,274

▨ *FY 2008-09 Funds to be reappropriated*

Water Supply Capital Improvements ($K) (cont'd)

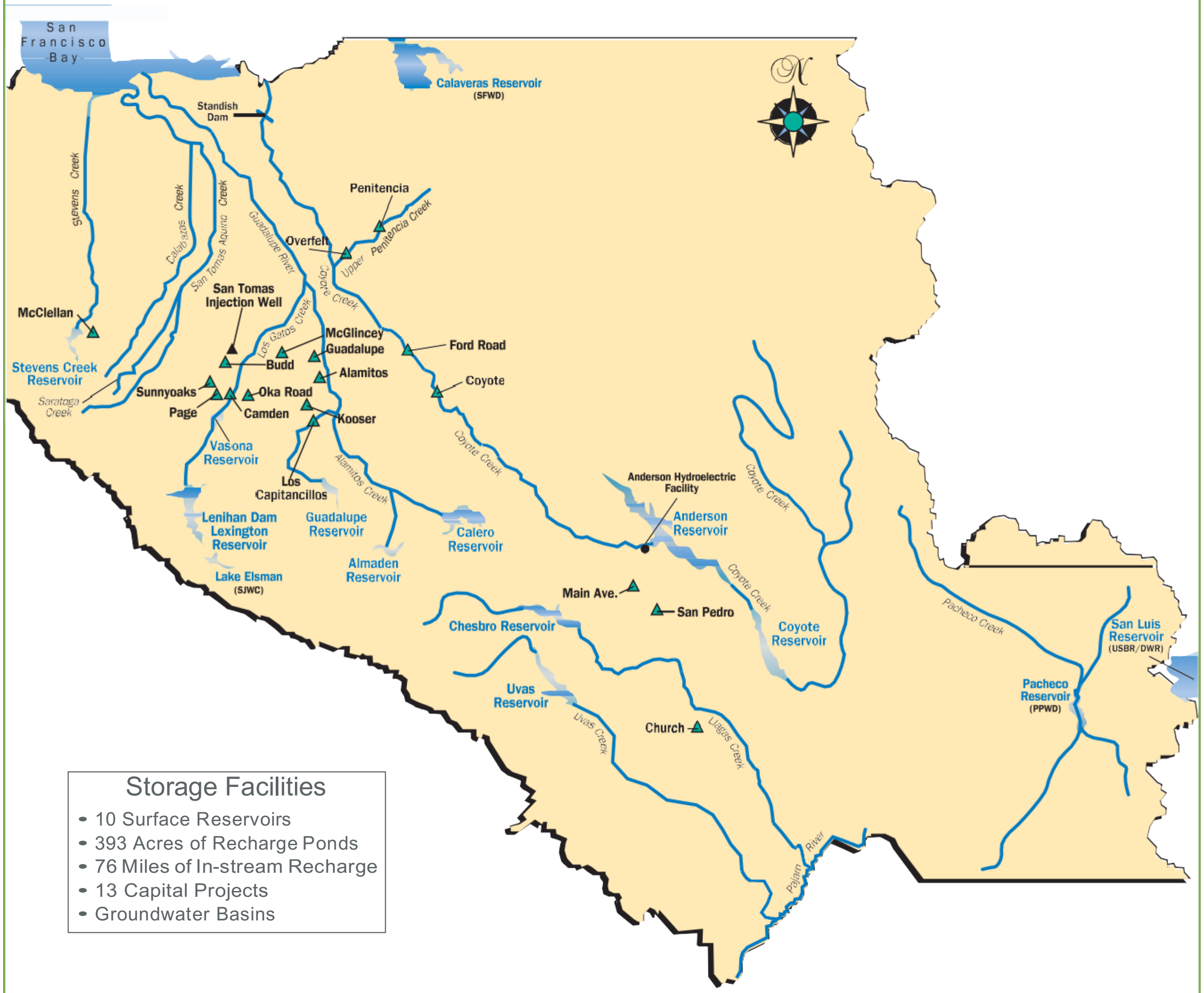
Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
	TREATMENT FACILITY										
93764003	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	945	3,330	3,248	-	1,848	6,034	6,412	184	-	18,753
93C40275	PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	668	3,550	296	-	4,514
93234036	PWTP Backwash Pump Replacement	803	1,078	-	344	-	-	-	-	-	2,225
93234032	PWTP Chemical Systems Upgrade	630	721	769	-	1,585	218	18	-	-	3,172
93C40277	PWTP Filter Basin Covers	-	-	-	-	-	391	706	-	-	1,097
93C40278	PWTP Large Valve Automation	-	-	-	-	-	845	153	-	-	998
93234031	PWTP Maintenance Building	6,549	608	4,597	294	43	-	-	-	-	7,494
93234033	PWTP Standby Power Upgrade	2,336	232	285	-	-	-	-	-	-	2,568
93C40199	PWTP Washwater Clarification Facility	-	-	-	-	-	-	508	611	7,354	8,473
93234042	PWTP Water Pumps Modifications	-	162	54	436	2,446	559	71	-	-	3,674
93294029	RWTP Chemical System Upgrade	3,289	2,476	987	3	195	-	-	-	-	5,963
93C40280	RWTP Filter Polymer System Improvement	-	-	-	-	-	-	-	230	1,264	1,494
93294056	RWTP FRR Chemical Storage Structure & Pump Valves Upgrades	-	-	-	307	699	4,292	354	-	-	5,652
93294050	RWTP FRR Clarifier Rehabilitation	-	14,308	13,868	-	-	-	-	-	-	14,308
93294053	RWTP FRR Computer Room Retrofit	-	154	-	992	342	-	-	-	-	1,488
93C40268	RWTP FRR Filtration System Improvement	-	-	-	-	1,150	6,838	1,346	638	-	9,972
93294054	RWTP FRR Primary Electrical System Improvement	-	898	20	247	8,069	679	-	-	-	9,893
93294051	RWTP FRR Residuals Management	-	1,173	43	1,675	806	12,966	7,831	590	-	25,041
93294055	RWTP FRR Site Improvement	-	-	-	214	876	-	-	-	-	1,090
93294057	RWTP Reliability Improvement	-	-	-	2,110	1,691	5,402	4,651	48,883	78,379	141,116
93294045	RWTP Valve Replacements	4,847	958	889	132	630	-	-	-	-	6,567
93764004	Small Capital Improvements, Water Treatment	-	-	-	2,129	1,623	2,470	1,790	2,446	10,996	21,453
93284030	STWTP Incompatible Materials	2,280	1,665	1,217	2,142	409	-	-	-	-	6,496
94084005	Water Protection	4,427	-	3,147	3,094	869	170	-	-	-	8,560
93084009	WTP I/O Cards & Trunk Cable Upgrades	3,833	431	557	955	489	294	-	-	-	6,002
	RECYCLED WATER FACILITY										
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	200	300	-	-	-	-	-	-	500
91184008	Recycled Water Advanced Treatment Facility WPCP	3,995	31,570	30,897	-	17,086	113	-	-	-	52,764
91094007	Recycled Water Masterplan	3,257	3,775	3,775	-	5,711	23	-	-	-	12,766
91154006	Water Efficient Demonstration Garden	1,893	74	375	-	-	-	-	-	-	1,967
	TOTAL	126,460	103,335	85,859	31,505	76,478	81,722	74,831	87,403	360,703	942,436

The following table shows funding requirements from each funding source for water supply capital.

Water Supply - Funding Source ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise Fund	126,460	103,335	85,859	31,505	76,478	81,722	74,831	87,403	360,703	942,436
TOTAL	126,460	103,335	85,859	31,505	76,478	81,722	74,831	87,403	360,703	942,436

▨ *FY 2008-09 Funds to be reappropriated*



Storage Facilities

- 10 Surface Reservoirs
- 393 Acres of Recharge Ponds
- 76 Miles of In-stream Recharge
- 13 Capital Projects
- Groundwater Basins

Storage Facilities Project Pages

Project	**Almaden Dam Outlet Works Improvements**
Program	Water Supply – Storage
Priority No.	48
Project No.	91854001
District Contact	Dave Chesterman dchesterman@valleywater.org

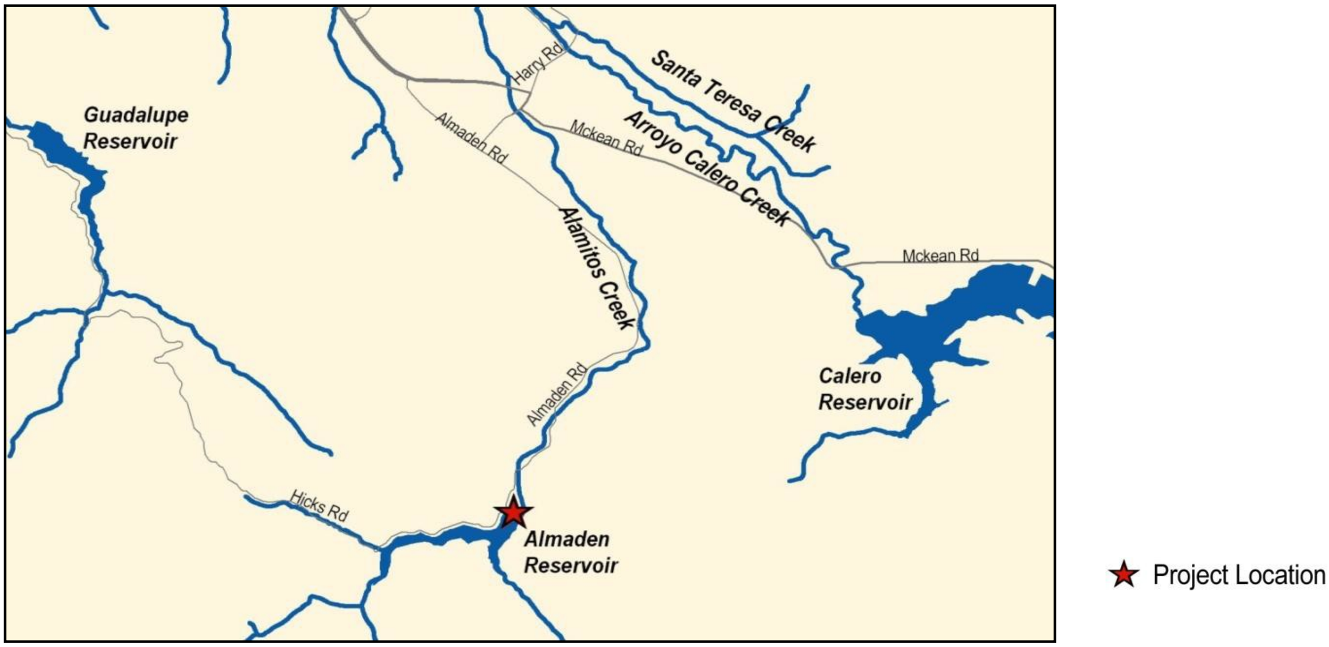
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments through the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION

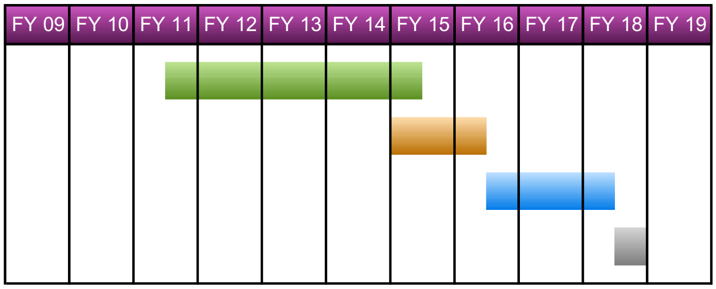


SCHEDULE & STATUS

October 1999 to June 2018

This project is on hold and scheduled to resume work in 2011, when the seismic analysis of the dam is expected to be complete.

Phase	Cost
Plan	5,282
Design	2,087
Construct	7,430
Closeout	311
	15,110



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden Dam Outlet Works Improvements	2,103	0	0	737	737	737	978	9,818	15,110
with inflation	2,103	0	0	800	834	869	1,201	13,186	18,993

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden Dam Outlet Works Improvements	2,103	0	0	0	800	834	869	1,201	13,186	18,993

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	18,993
Other Funding Source	0
Total	**18,993**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2018. Manually flushing the control valves during the winter months to remove silt will no longer be required.

USEFUL LIFE: 50+ Years

Project	**Calero/Fellows Dike Improvements**
Program	Water Supply – Storage
Priority No.	30
Project No.	91874003
District Contact	Dave Chesterman dchesterman@valleywater.org

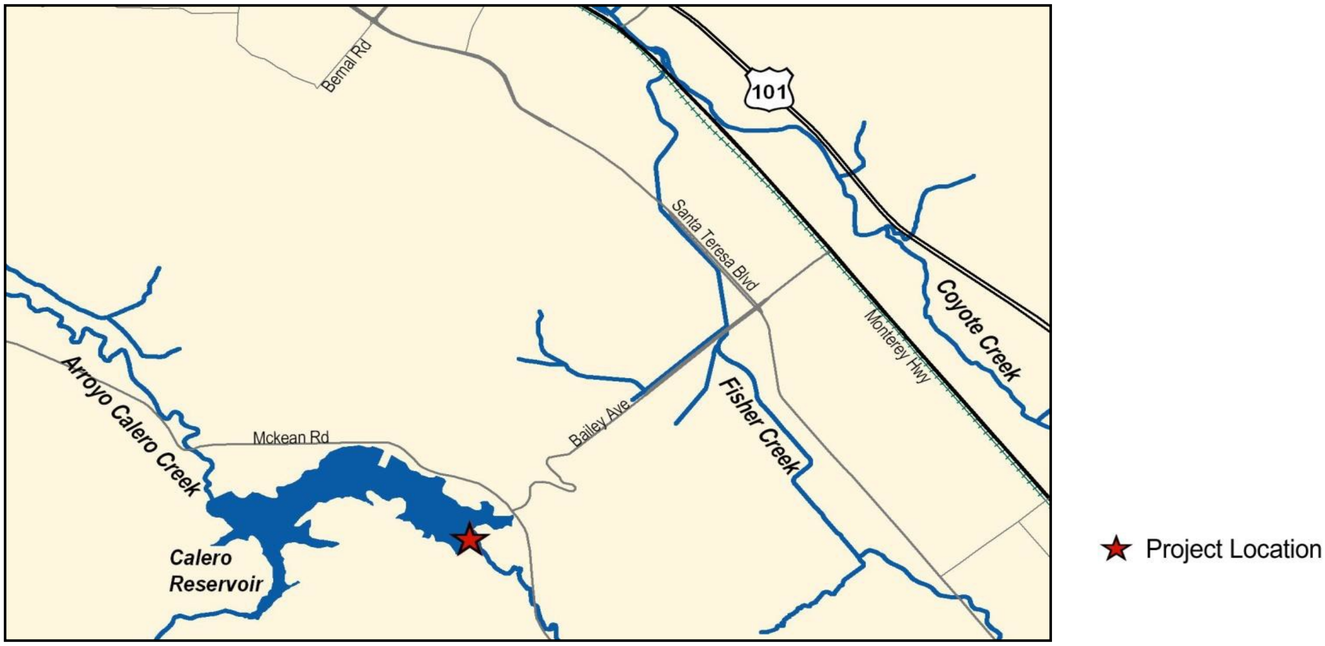
View of Fellows Dike from Calero Reservoir. The historic Bailey-Fellows House can be seen in the background.

PROJECT DESCRIPTION

The objective of the Calero/Fellows Dike Improvements project is to:

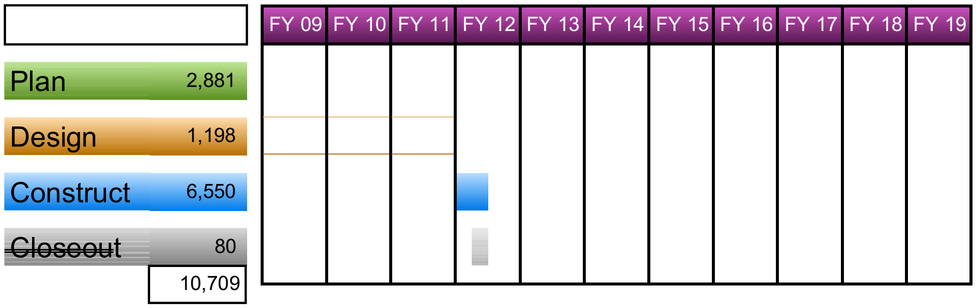
- Develop and implement a solution to resolve Fellows Dike safety issues.
- Optimize the water utility benefits of Calero Reservoir.
- Rescind the existing California Department of Water Resources Division of Safety of Dams (DSOD) restriction, which limits the storage capacity of the Calero Reservoir.

PROJECT LOCATION



SCHEDULE & STATUS

February 2000 to December 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Calero/Fellows Dike Improvements	2,727	60	1,042	6,400	480	0	0	0	10,709
with inflation	2,727	60	1,042	7,298	543	0	0	0	11,670

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Calero/Fellows Dike Improvements	3,412	471	1,096	0	7,244	543	0	0	0	11,670

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	11,670
Other Funding Source	0
Total	**11,670**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $7,000 per year, beginning in FY 2012. The likely alternative will be the breached dike alternative. Minor operations and maintenance activities to oversee water quality and make minor repairs to the dike, pump and electrical systems would no longer be required.

USEFUL LIFE: 50+ Years

Project	**Coyote Dam Control Building Improvements**
Program	Water Supply – Storage
Priority No.	65
Project No.	91884002
District Contact	Dave Chesterman dchesterman@valleywater.org

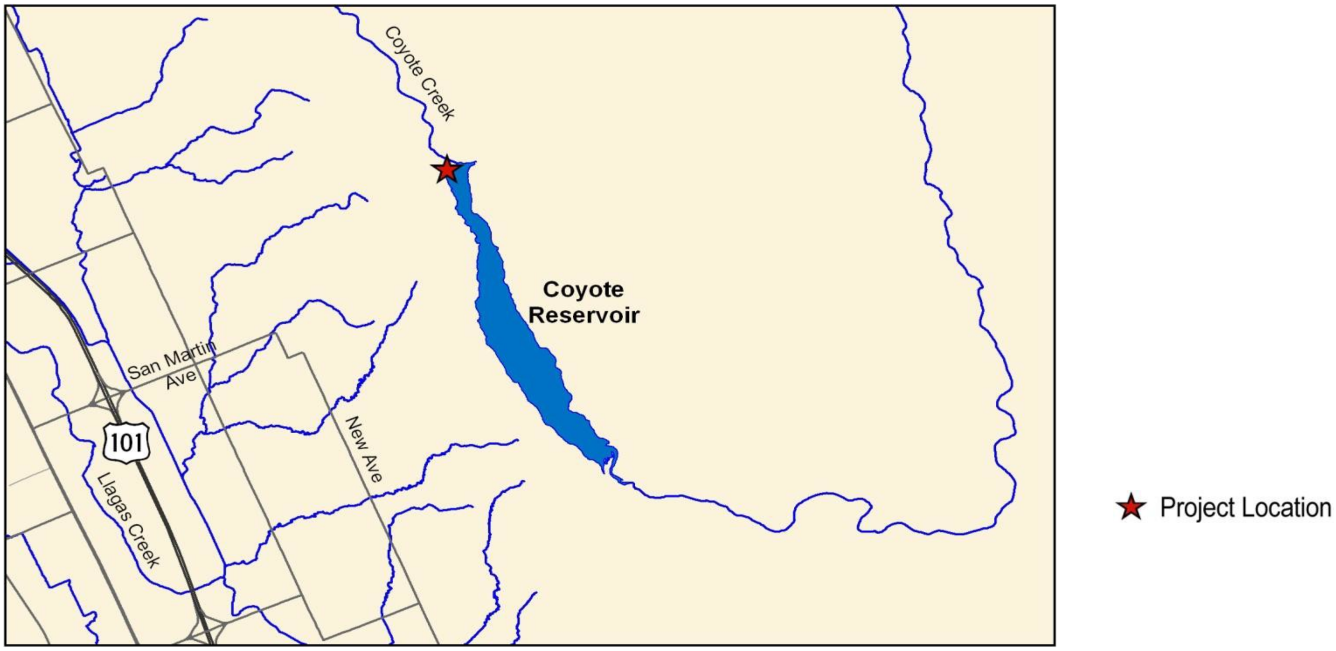
Control Building at Coyote Dam

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Coyote Dam Control Building to accomplish the following objectives:

- Correct an electrical code compliance deficiency associated with the storage of flammable liquid/vapor in close vicinity to an electrical source.
- Provide working clearance required by electrical code during testing and maintenance of batteries and other electrical equipment within the control building.

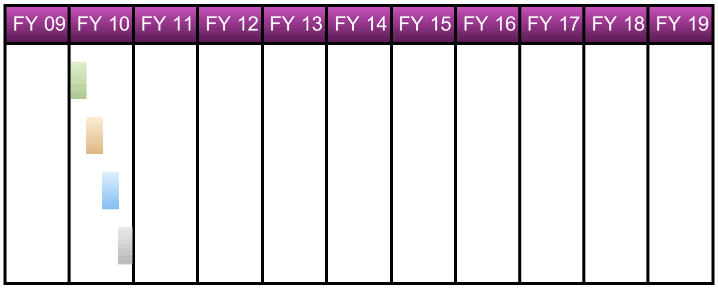
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2010

Phase	Cost
Plan	26
Design	72
Construct	232
~~Closeout~~	17
	347



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Dam Control Building Improvements	0	0	347	0	0	0	0	0	347
with inflation	0	0	347	0	0	0	0	0	347

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Dam Control Building Improvements	0	0	0	347	0	0	0	0	0	347

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	347
Other Funding Source	0
Total	**347**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	**Dam Instrumentation**
Program	Water Supply – Storage
Priority No.	85
Project No.	91084010
District Contact	Dave Chesterman dchesterman@valleywater.org

Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams.

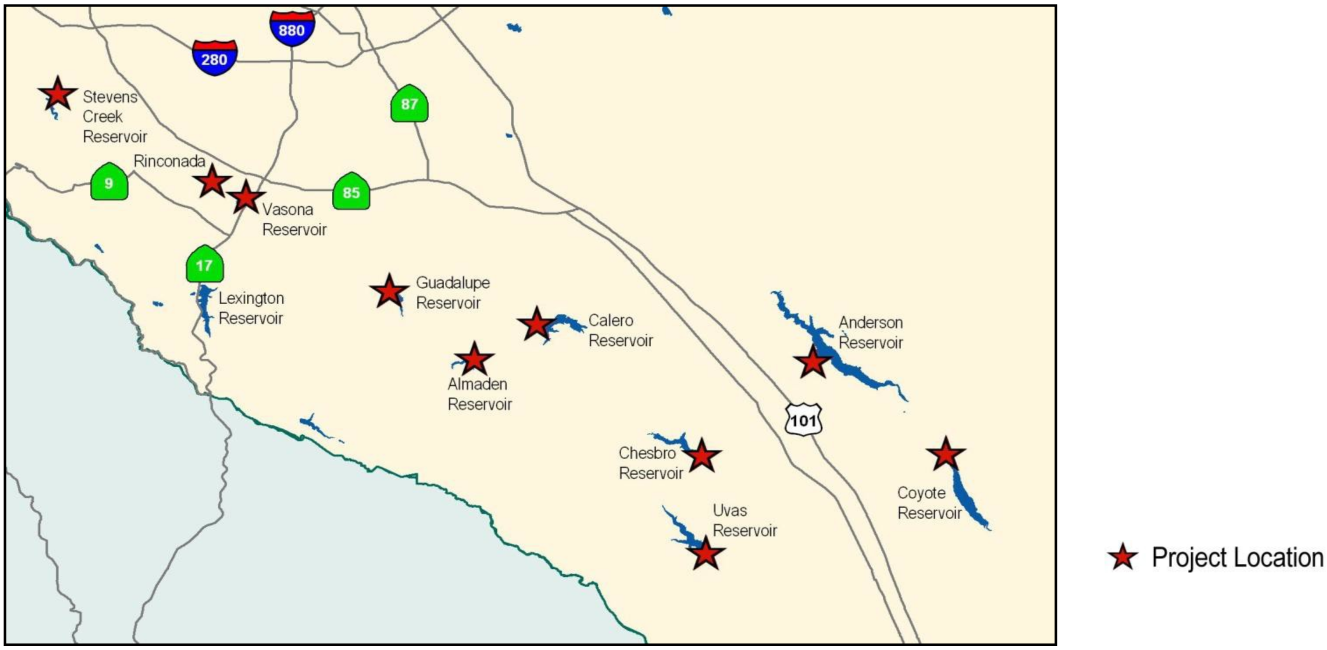
PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams in a phased approach, to accomplish the following objectives:

- Monitor internal movement and water pressure at the ten District dams referenced above.
- Develop a system at each dam that is capable of collecting, checking, recording, and archiving the collected data and alarming staff when parameters exceed set threshold limits.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not identified.

PROJECT LOCATION

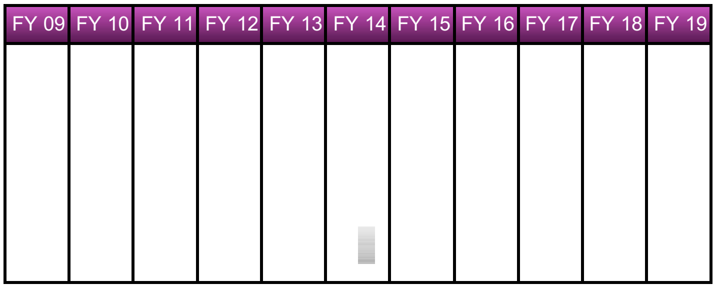


SCHEDULE & STATUS

February 2005 to March 2014

Planning Phase is complete. Design and Construction Phases overlap, due to a phased approach for managing work at 10 dams. The project is on hold. Phase 2 will resume in FY 2013.

Phase	Cost
Plan	106
Design	1,771
Construct	9,538
~~Closeout~~	150
	11,565



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Instrumentation	5,265	410	0	0	500	5,110	280	0	11,565
with inflation	5,265	410	0	0	566	6,519	344	0	13,103

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Instrumentation	6,513	0	838	0	0	0	6,246	344	0	13,103

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,103
Other Funding Source	0
Total	**13,103**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $30,000 per year at the end of Phase 1 in FY 2009, increasing to $50,000 per year beginning at the end of Phase 2 in FY 2014. Increases are for monitoring the data and maintaining the geotechnical instrumentation.

USEFUL LIFE: 10+ Years

Project	**Dam Safety Seismic Stability**
Program	Water Supply – Storage
Priority No.	68
Project No.	91084019
District Contact	Jim Fiedler jfiedler@valleywater.org

Field exploration for seismic stability evaluations

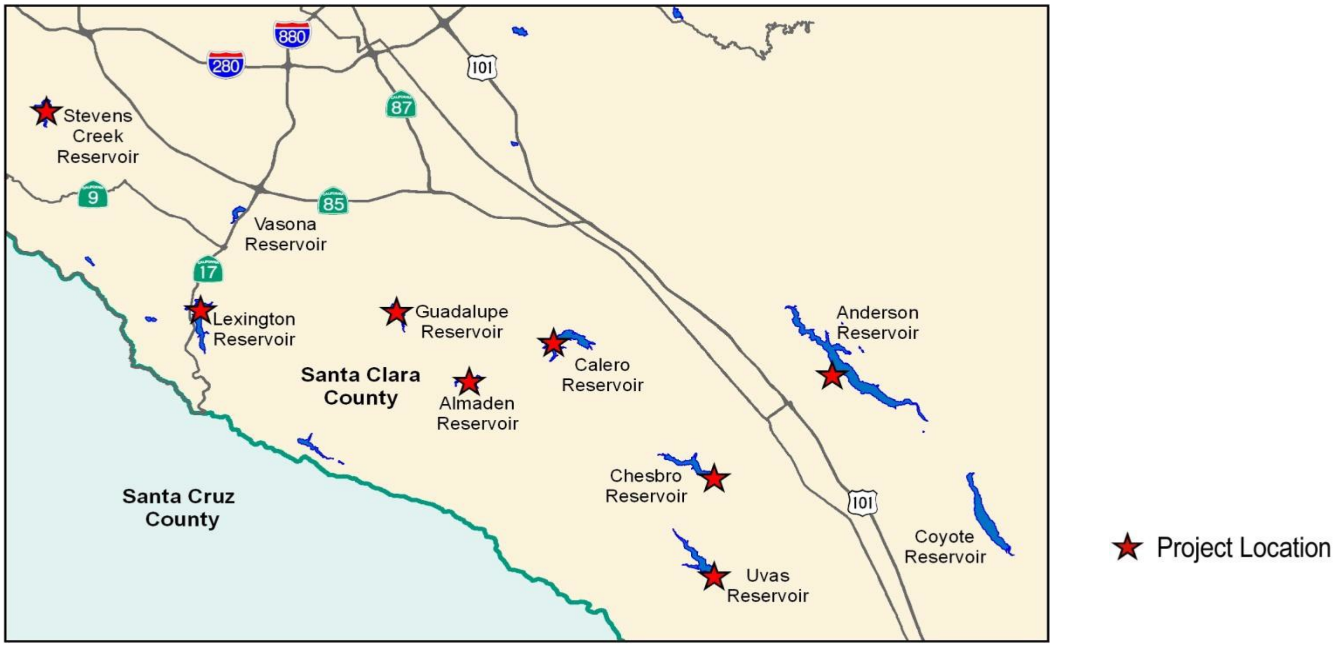
PROJECT DESCRIPTION

This project conducts Phase 1 planning (seismic stability evaluation), Phase 2 site specific planning, design, and construction of improvements at approximately eight District dams (identified on the map) to accomplish the following objectives:

- Address seismic stability issues.
- Provide for public safety, ensure operational availability of reservoirs, and address protection of these assets.

This project is currently funded for completion of Phase 1 planning (seismic stability evaluation) for 8 dams and Phase 2 site specific planning, design, and construction of 1 dam. The scope, schedule, costs, and funding sources for the remaining dams will be determined, upon completion of the seismic stability evaluation.

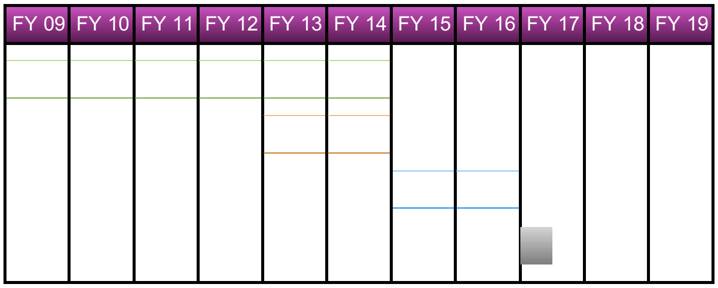
PROJECT LOCATION



SCHEDULE & STATUS
July 2009 to December 2016

Planning phase includes seismic stability evaluation for 8 dams. Site specific planning, design, construction, and closeout for only 1 of the 8 dams is included. Some planning activities were previously funded in operations.

Phase	Cost
Plan	21,500
Design	12,000
Construct	72,000
~~Closeout~~	3000
	108,500



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Safety Seismic Stability	0	0	2,011	1,189	10,050	14,000	6,250	75,000	108,500
with inflation	0	0	2,011	1,291	11,370	16,504	7,677	109,896	148,750

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Safety Seismic Stability	0	0	0	2,011	1,291	11,370	16,504	7,677	109,896	148,750

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	148,750
Other Funding Source	0
Total	**148,750**

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 50+ Years

Project	**Lenihan Dam Outlet Modifications**
Program	Water Supply – Storage
Priority No.	71
Project No.	91904005
District Contact	Dave Chesterman dchesterman@valleywater.org

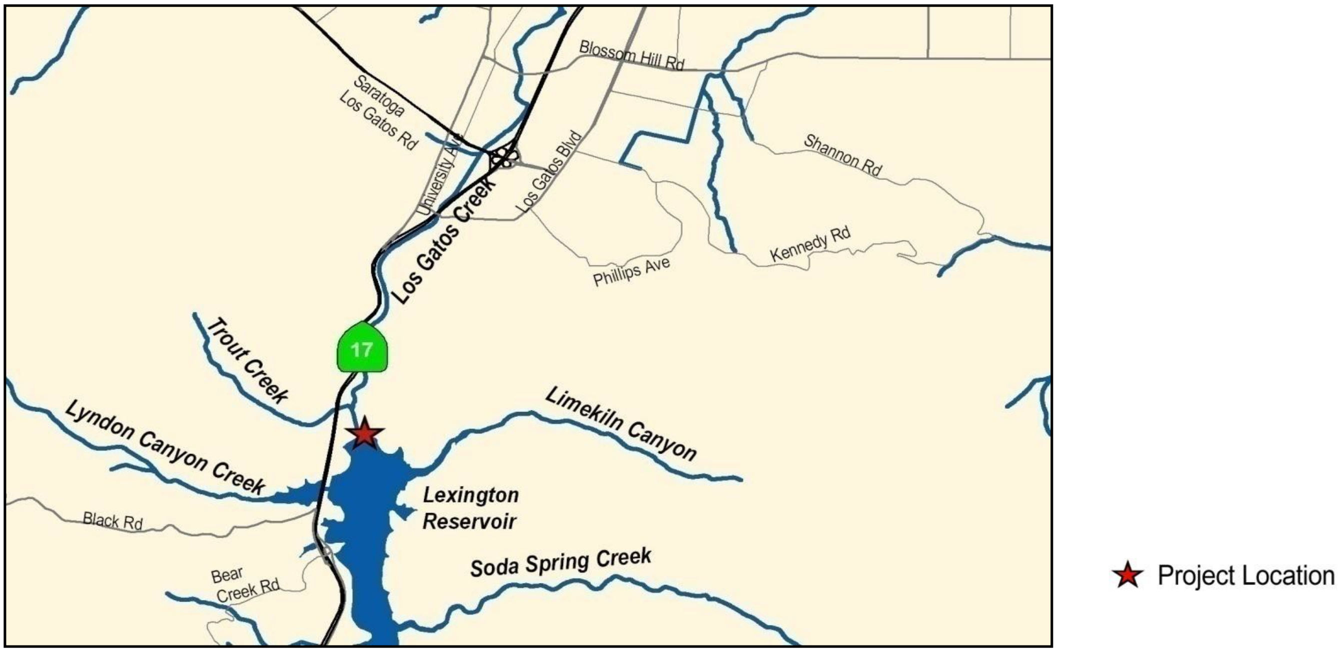
Lexington Reservoir with the Lenihan Dam Outlet structure in the foreground

PROJECT DESCRIPTION

The objective of the Lenihan Dam Outlet Modifications project is to:

- Design and construct a new low-level outlet works so the reservoir can safely meet District and California Department of Water Resources Division of Safety of Dams (DSOD) discharge requirements.
- Rescind the existing Division of Safety of Dams restrictions that limit outlet release flows to 70 cfs.

PROJECT LOCATION

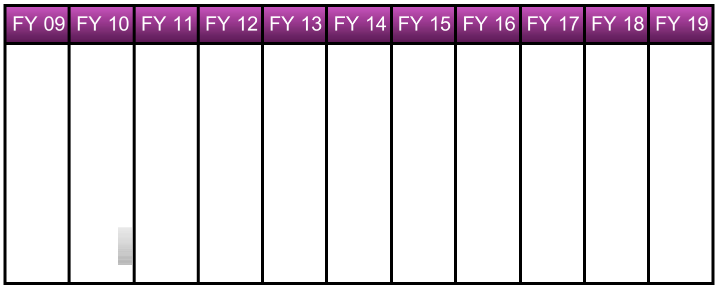


SCHEDULE & STATUS

October 2000 to April 2010

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	3,679
Design	6,290
Construct	52,720
~~Closeout~~	300
	62,989



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Lenihan Dam Outlet Modifications	39,544	22,142	1,303	0	0	0	0	0	62,989
with inflation	39,544	22,142	1,303	0	0	0	0	0	62,989

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Lenihan Dam Outlet Modifications	39,661	24,723	2,698	0	0	0	0	0	0	64,384

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $1,395,000 more than planned expenditures. The unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	64,384
Other Funding Source	0
Total	**64,384**

OPERATING COST IMPACTS

The completion of this project is not anticipated to change operating costs. The District will continue to operate and maintain the facilities in the same manner.

USEFUL LIFE: 50+ Years

Project	**Pacheco Pumping Plant ASD Replacement**
Program	Water Supply – Storage
Priority No.	61
Project No.	91954001
District Contact	Dave Chesterman dchesterman@valleywater.org

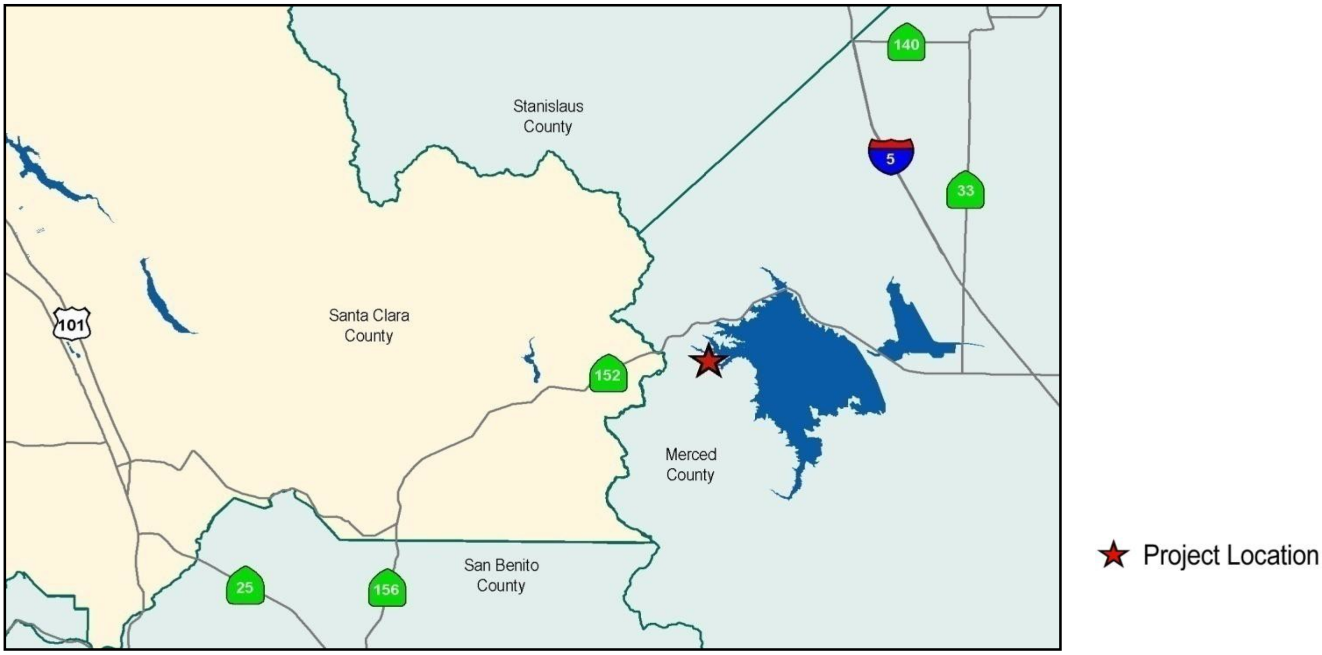
ASD drive gallery

PROJECT DESCRIPTION

This project plans, design, and constructs improvements to replace the existing adjustable speed drives (ASDs) and ancillary equipment at Pacheco Pumping Plant to accomplish the following objectives:

- Improve plant operation and reliability.
- Reduce operation and maintenance costs.

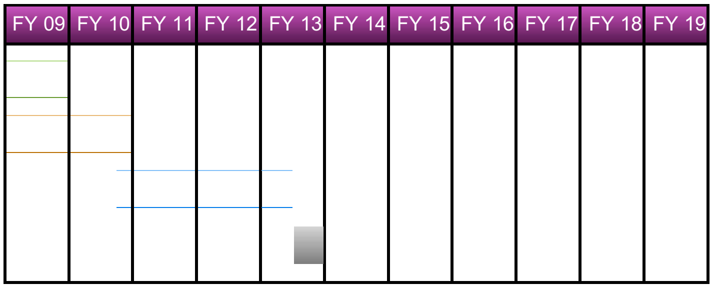
PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2013

Phase	Cost
Plan	1,578
Design	712
Construct	15,410
~~Closeout~~	100
	17,800



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pacheco Pumping Plant ASD Replacement	1,450	420	7,600	7,540	540	250	0	0	17,800
with inflation	1,450	420	7,600	8,076	611	295	0	0	18,452

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pacheco Pumping Plant ASD Replacement	3,019	7,723	8,872	0	6,804	611	295	0	0	18,452

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	14,393
San Benito County Water District	4,059
Total	**18,452**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $13,000 beginning in FY 2013 over the first 5 years, as new equipment will require less maintenance.

USEFUL LIFE: 10 – 15 Years

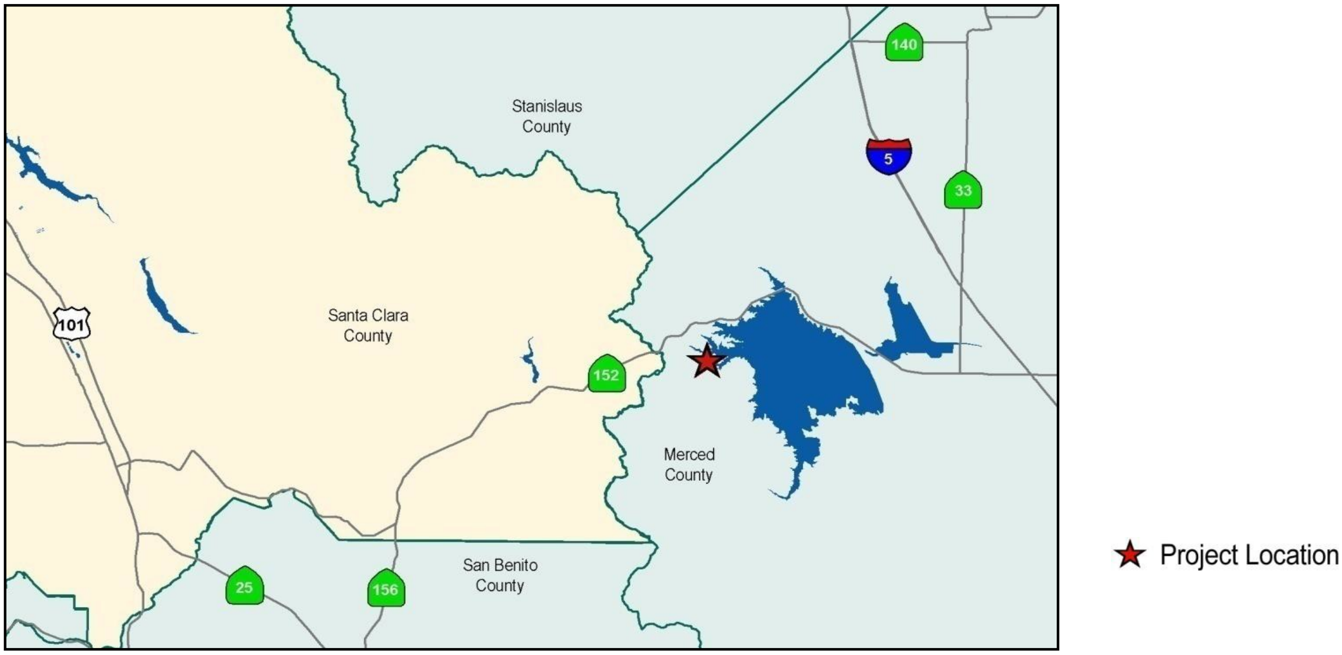
Project	**Pacheco Pumping Plant Regulating Tank Recoating**
Program	Water Supply – Storage
Priority No.	74
Project No.	91214008
District Contact	Dave Chesterman dchesterman@valleywater.org

View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

PROJECT LOCATION

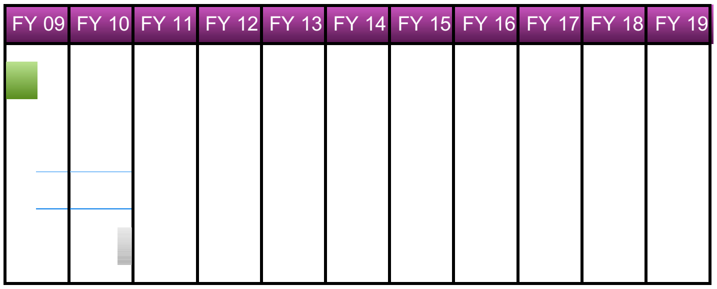


SCHEDULE & STATUS

January 2008 to June 2010

Design and Construction Phases overlap, due to the phased approach of managing the project.

Phase	Cost
Plan	225
Design	630
Construct	2,834
Closeout	80
	3,769



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pacheco Pumping Plant Regulating Tank Recoating	105	2,460	1,204	0	0	0	0	0	3,769
with inflation	105	2,460	1,204	0	0	0	0	0	3,769

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pacheco Pumping Plant Regulating Tank Recoating	223	2,525	183	1,021	0	0	0	0	0	3,769

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,940
San Benito County Water District	829
Total	**3,769**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30+ Years

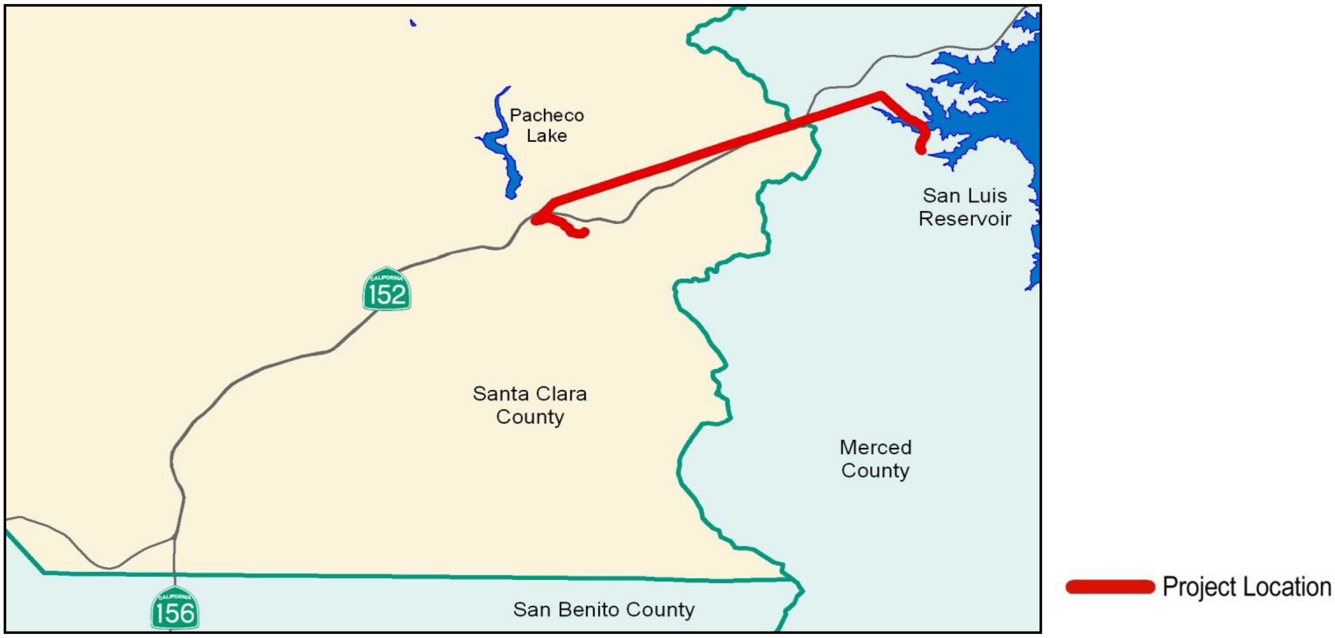
Project	**San Felipe Communications Cable Replacement**
Program	Water Supply – Storage
Priority No.	63
Project No.	91214009
District Contact	Dave Chesterman dchesterman@valleywater.org

Overhead fiber optic cable lines near San Luis Reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs approximately 8 miles of overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel, to ensure reliable communications and allow control of Pacheco Pumping Plant from the control center at Rinconada Water Treatment Plant (RWTP).

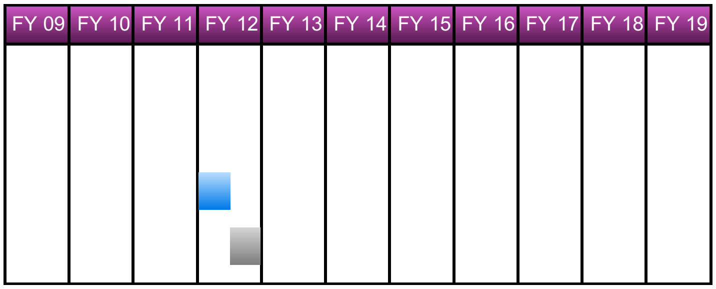
PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to June 2012

Phase	Cost
Plan	280
Design	364
Construct	1,320
~~Closeout~~	40
	2,004



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Felipe Communications Cable Replacement	10	215	339	980	460	0	0	0	2,004
with inflation	10	215	339	1,117	520	0	0	0	2,202

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Felipe Communications Cable Replacement	264	368	407	0	1,049	520	0	0	0	2,202

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,717
San Benito County Water District	484
Total	**2,202**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year, beginning in FY 2013. Completion of this project will eliminate the need to repair failures in the fiber optic line.

USEFUL LIFE: 30+ Years

Project	**San Luis Reservoir Low Point Improvement**
Program	Water Supply – Storage
Priority No.	83
Project No.	91214007
District Contact	Keith Whitman kwhitman@valleywater.org

San Luis Reservoir

PROJECT DESCRIPTION

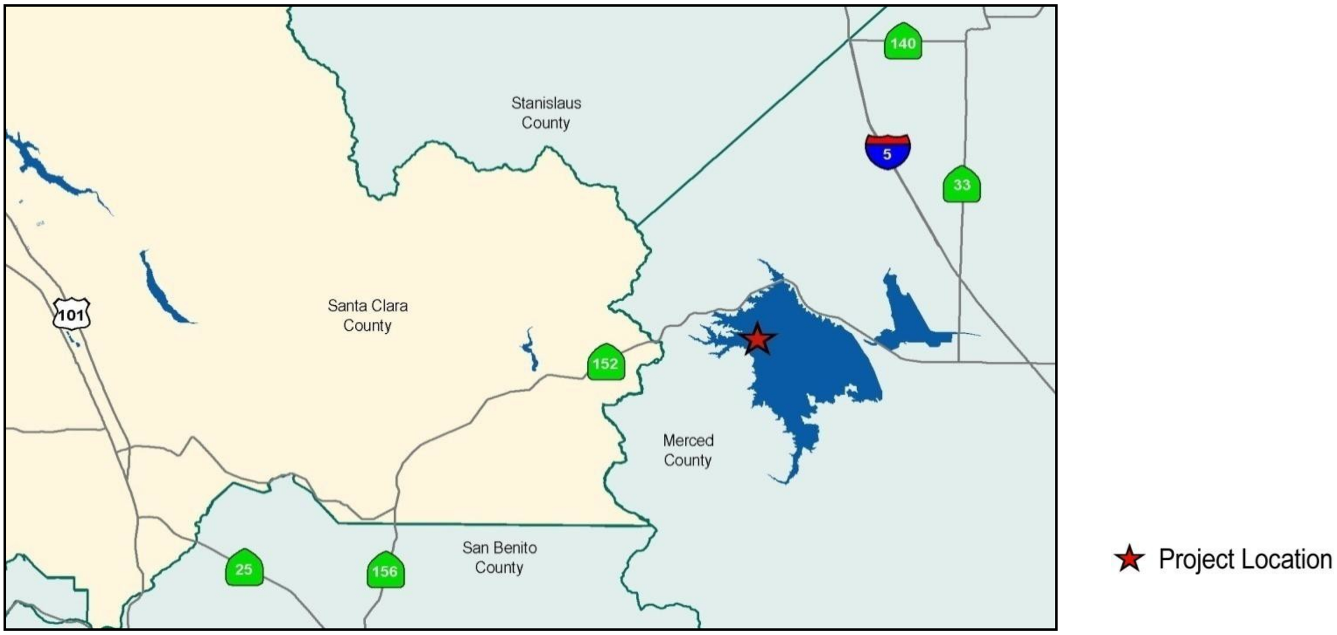
This project is in Federal Feasibility with the U.S. Bureau of Reclamation. The objectives, benefits, scope of work and schedule are determined by the federal process. These are presented in the Federal Appraisal Report and Plan of Study May 2006. The federal feasibility study is anticipated to be completed in 2009. On the basis of the water resources problems identified to date, the following preliminary study objectives were developed for this project:

- Increase the certainty of meeting the requested delivery schedule of annual allocations to San Luis Reservoir dependant Central Valley Project (CVP) Contractors.
- To the extent possible, while meeting the first objective, increase the reliability (quality of water available for allocation) of annual allocations to CVP contractors.
- To the extent possible, while meeting the first objective, forecast the final allocation to San Luis Reservoir dependent contractors earlier in the season.

Several additional opportunities may also be available as a result of addressing the above objectives. These include water quality improvements for the San Felipe Division contractors and ecosystem restoration opportunities.

The project is currently funded for federal planning only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

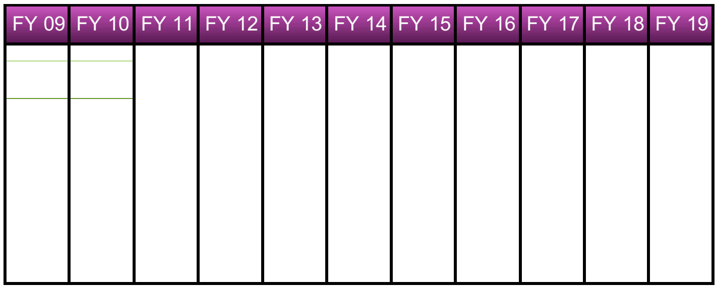


SCHEDULE & STATUS

July 2001 to May 2010

(Planning Phase Only)

Phase	Cost
Plan	15,132
Design	-
Construct	-
~~Closeout~~	-
	15,132



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Luis Reservoir Low Point Improvement	10,860	2,345	1,927	0	0	0	0	0	15,132
with inflation	10,860	2,345	1,927	0	0	0	0	0	15,132

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Luis Reservoir Low Point Improvement	15,143	0	1,938	0	0	0	0	0	0	15,143

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds expenditures by approximately $11,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,059
Department of Water Resources	14,038
U.S. Bureau of Reclamation	46
Total	**15,143**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

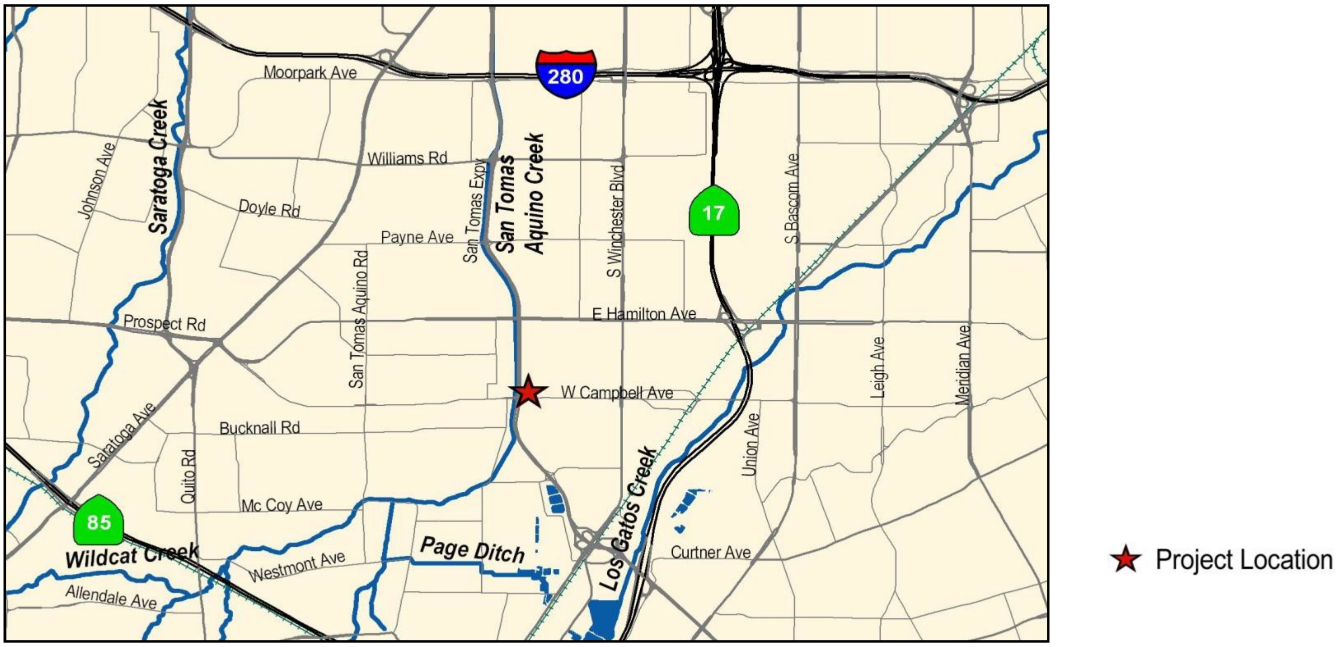
Project	**San Tomas Well Field**
Program	Water Supply – Storage
Priority No.	37
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

One of the newly constructed pump station buildings.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION

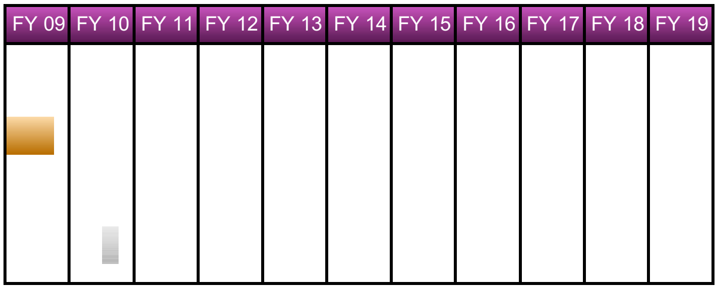


SCHEDULE & STATUS

September 2003 to March 2010

Planning phase is complete. Design and Construction Phases overlap, due to separate contracts for well building and pump utilities.

Phase	Cost
Plan	165
Design	6,097
Construct	6,126
Closeout	52
	12,440



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Tomas Well Field	11,295	481	664	0	0	0	0	0	12,440
with inflation	11,295	481	664	0	0	0	0	0	12,440

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Tomas Well Field	11,826	172	222	442	0	0	0	0	0	12,440

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds expenditures by approximately $78,000. Excess fudning will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,940
City of Campbell Redevelopment Agency	4,500
Total	**12,440**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $255,000 per year, beginning in FY 2010. Increases for operating this new facility include labor, power, chemicals, and maintenance.

USEFUL LIFE: 15+ Years

Project	**SCADA Wireless System Overhaul of 10 Dams and Reservoirs**
Program	Water Supply – Storage
Priority No.	62
Project No.	91C40260
District Contact	Dave Chesterman dchesterman@valleywater.org

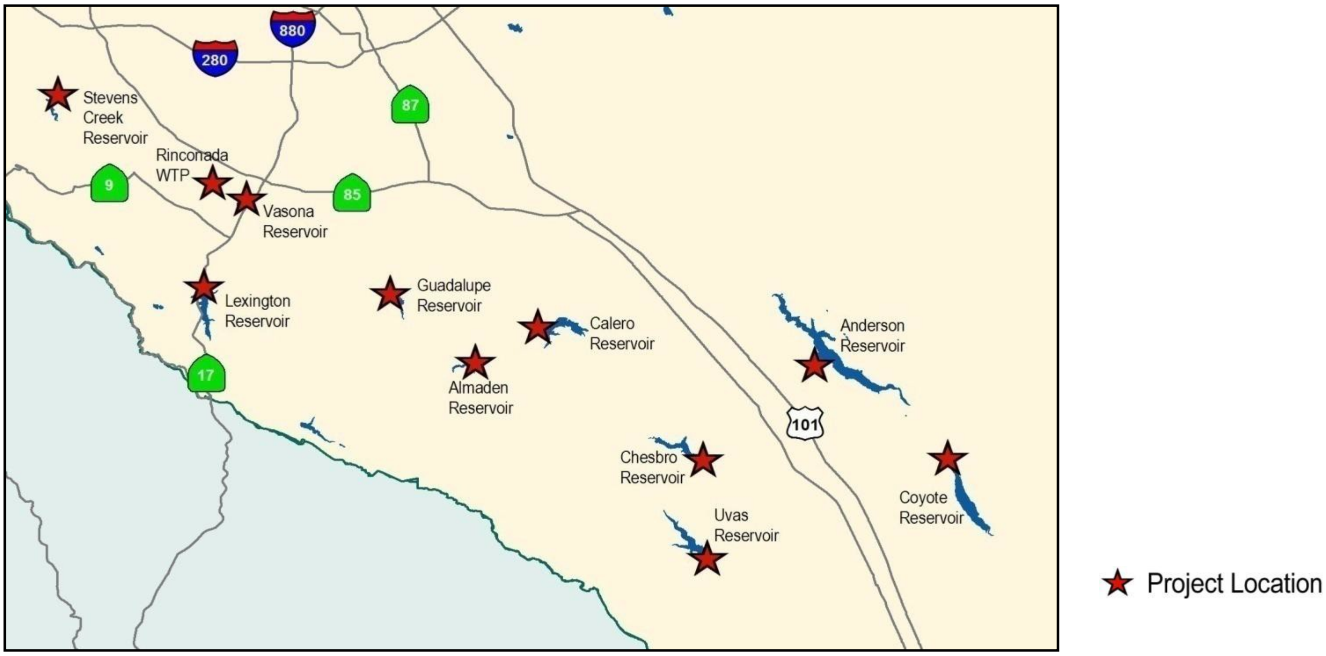
Chesbro Dam will be remotely monitored and operated.

PROJECT DESCRIPTION

This project designs and installs a wireless Supervisory Control and Data Acquisition (SCADA) system from Rinconada Water Treatment Plant (RWTP) control center to the District's source of supply dams and reservoirs to accomplish the following objectives:

- Monitor and remotely operate the District's dams and reservoirs.
- Monitor critical dam and reservoir parameters, such as storage levels and release rates.

PROJECT LOCATION

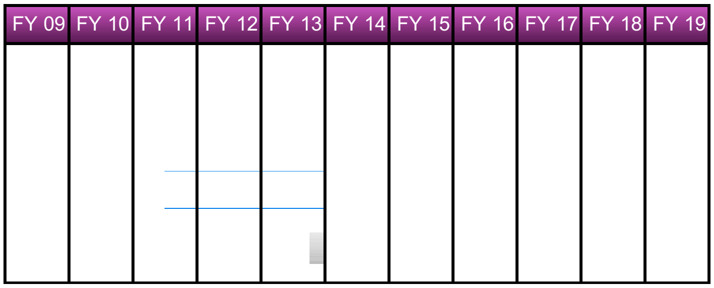


SCHEDULE & STATUS

July 2010 to June 2013

Planning phase is not applicable to this project. Purchase and installation are included in the construction phase.

Phase	Cost
Plan	n/a
Design	366
Construct	1,851
Closeout	42
	2,259



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SCADA Wireless System Overhaul of 10 Dams and Reservoirs	0	0	0	753	753	753	0	0	2,259
with inflation	0	0	0	855	911	965	0	0	2,731

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SCADA Wireless System Overhaul of 10 Dams and Reservoirs	0	0	0	0	855	911	965	0	0	2,731

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,731
Other Funding Source	0
Total	**2,731**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $200,000 per year, beginning in FY 2014, by optimizing source of supply operations and by minimizing maintenance costs.

USEFUL LIFE: 20 Years

Project	**Small Capital Improvements, San Felipe**
Program	Water Supply – Storage
Priority No.	60
Project No.	91214010
District Contact	Keith Whitman kwhitman@valleywater.org

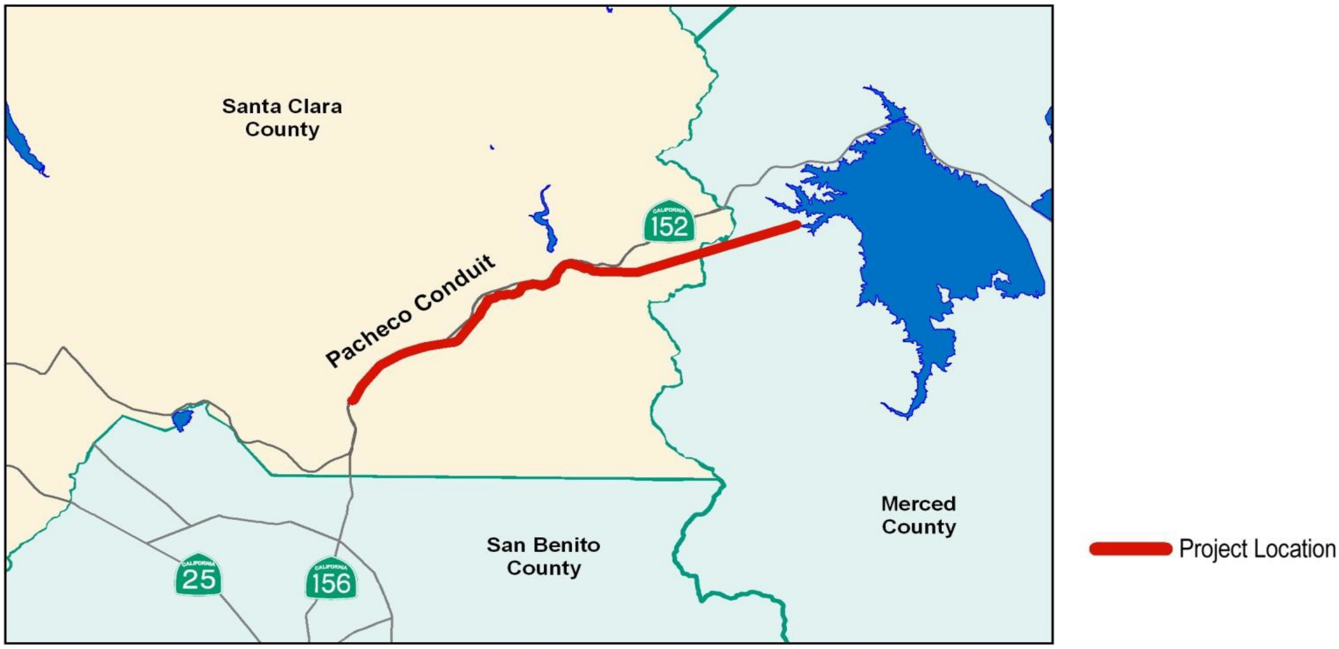
Impeller suction end showing suction wear ring bacterial corrosion. Similar rehabilitation projects will be done in this project, per the asset management plan.

PROJECT DESCRIPTION

This project implements a systematic approach of equipment replacement and renewal at facilities contained within San Felipe Division Reach 1 by designing and constructing improvements identified through the District's 10-year asset management program. Infrastructure within this project includes tunnels, large diameter pipelines and valve structures, pumps and associated equipment, as well as a large above ground stoarage tank. These renewal and replacement activities are conducted in coordination and cooperation with San Felipe Division Reach 1 contractors, partner cities, and other agencies. Planned projects for FY 2010 include:

- Pumps No. 5 & 11 Rebuild

PROJECT LOCATION



SCHEDULE & STATUS

This project is part of the District's regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	4,551											
Closeout	n/a											
	4,551											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, San Felipe	n/a	0	1,712	1,644	0	619	0	576	4,551
with inflation	n/a	0	1,712	1,785	0	730	0	857	5,084

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, San Felipe	n/a	0	0	1,712	1,785	0	730	0	857	5,084

FUNDING SOURCES

(in thousands $)

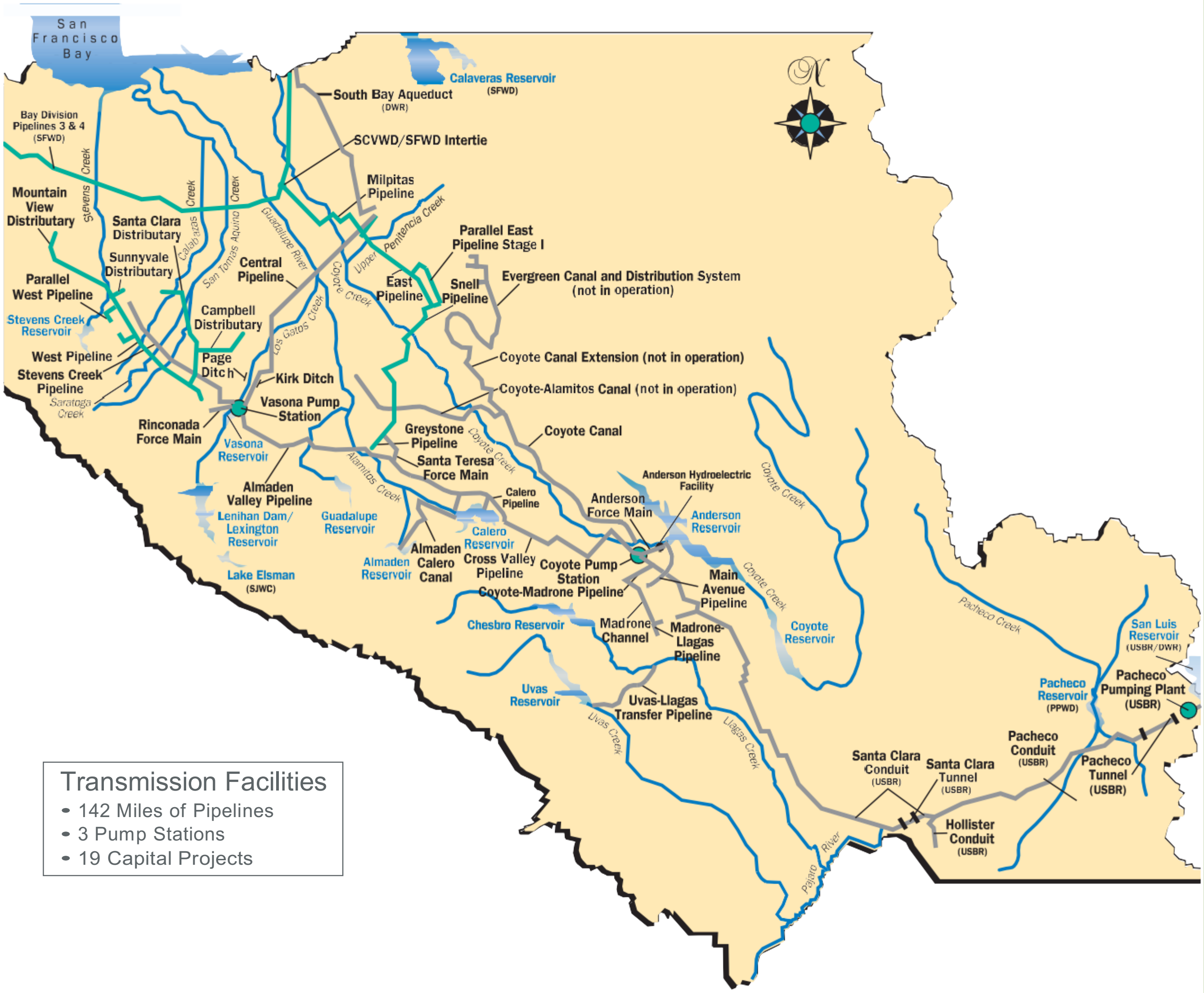
SCVWD General Fund	3,965
San Benito County Water District	1,118
Total	**5,084**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilites or modes of operation.

USEFUL LIFE: Not Available

WATER SUPPLY CAPITAL IMPROVEMENTS



Transmission Facilities

- 142 Miles of Pipelines
- 3 Pump Stations
- 19 Capital Projects

Transmission Facilities Project Pages

Project	**Alamitos Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	96
Project No.	92404003
District Contact	Katherine Oven koven@valleywater.org

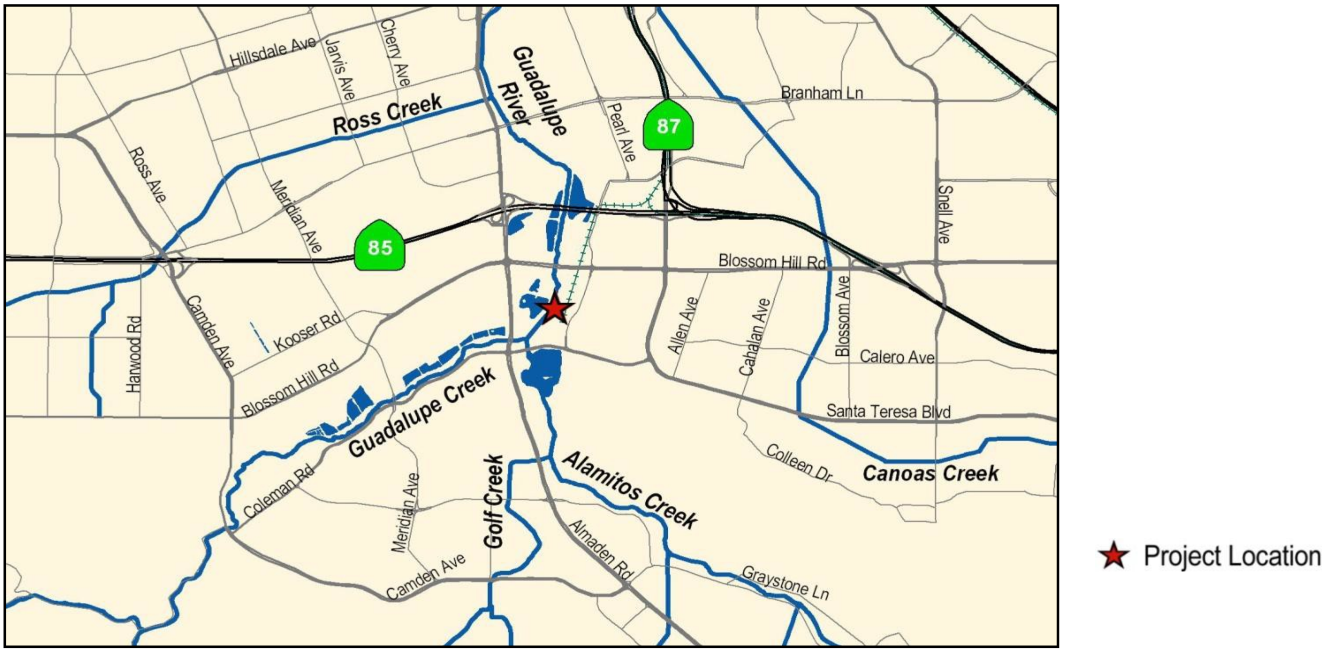
Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION

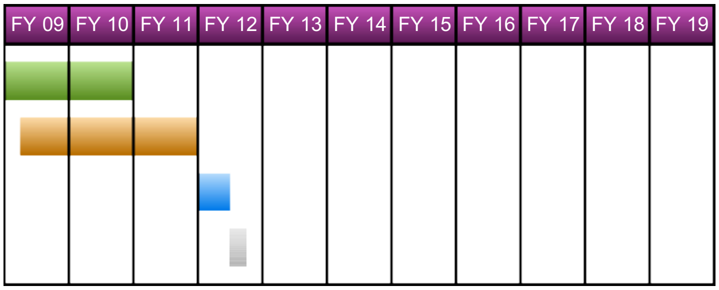


SCHEDULE & STATUS

August 2006 to March 2012

Planning and Design schedules are extended to coordinate with the Three Creeks Habitat Conservation Plan project.

Phase	Cost
Plan	942
Design	261
Construct	1,845
~~Closeout~~	15
	3,063



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Alamitos Diversion Dam Improvements	666	176	261	845	1,115	0	0	0	3,063
with inflation	666	176	261	959	1,331	0	0	0	3,393

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Alamitos Diversion Dam Improvements	820	2,113	2,091	0	0	460	0	0	0	3,393

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,393
Other Funding Source	0
Total	**3,393**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**Almaden-Calero Canal Rehabilitation**
Program	Water Supply – Transmission
Priority No.	69
Project No.	92724001
District Contact	Dave Chesterman dchesterman@valleywater.org

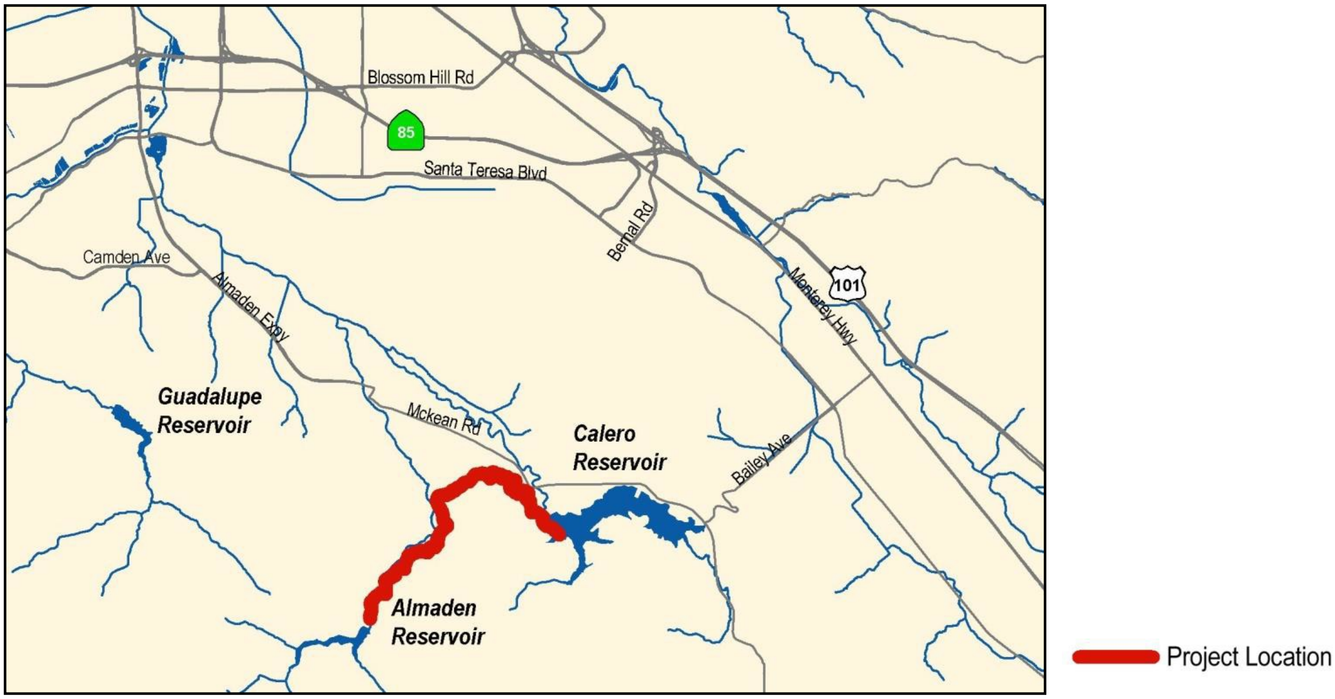
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Almaden-Calero Canal at Calero Reservoir and between siphons #2 and #3 to accomplish the following objectives:

- Restore the Almaden-Calero Canal to its baseline capacity of 120 cfs, while maintaining adequate freeboard.
- Improve maintenance access.
- Mitigate for local landslides.
- Repair leakage and improve drainage at the flume.
- Improve drainage conditions at the catch basin, draining water upstream of siphon #2 to Alamitos Creek.
- Stabilize the maintenance road along Calero Reservoir.

PROJECT LOCATION

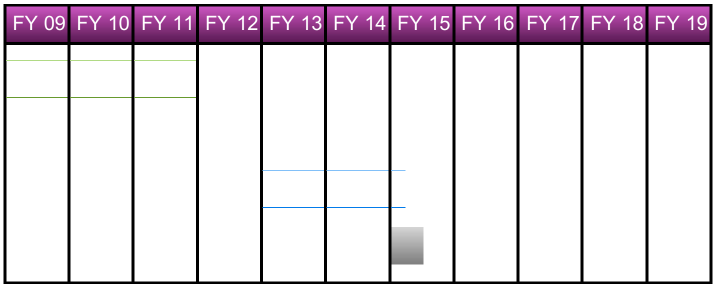


SCHEDULE & STATUS

October 2002 to November 2014

This project has been placed on hold in order to coordinate with the seismic investigation at Almaden Dam.

Phase	Cost
Plan	2,390
Design	700
Construct	5,700
~~Closeout~~	0
	8,790



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden-Calero Canal Rehabilitation	1,453	0	0	637	600	5,000	900	200	8,790
with inflation	1,453	0	0	692	679	6,422	1,106	256	10,607

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden-Calero Canal Rehabilitation	2,086	502	1,135	0	0	235	6,422	1,106	256	10,607

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,607
Other Funding Source	0
Total	**10,607**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $10,000 per year, beginning in FY 2015, by minimizing seepage and associated maintenance costs.

USEFUL LIFE: 40 Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	96
Project No.	92484003
District Contact	Katherine Oven koven@valleywater.org

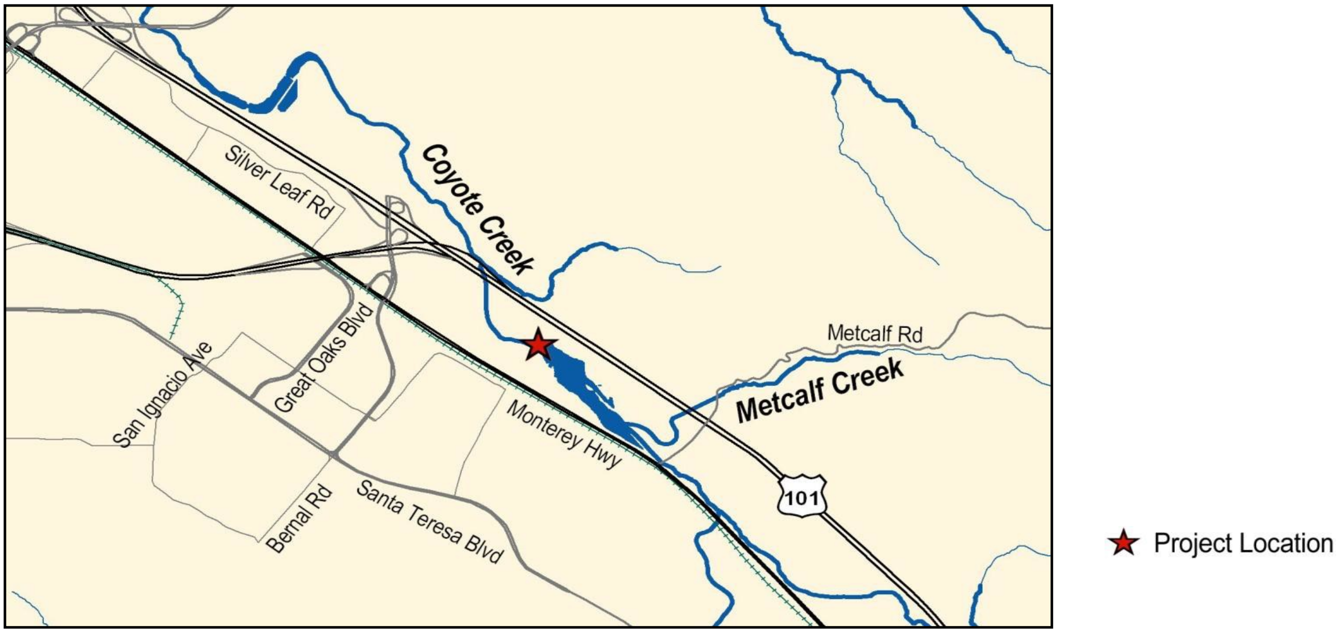
Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

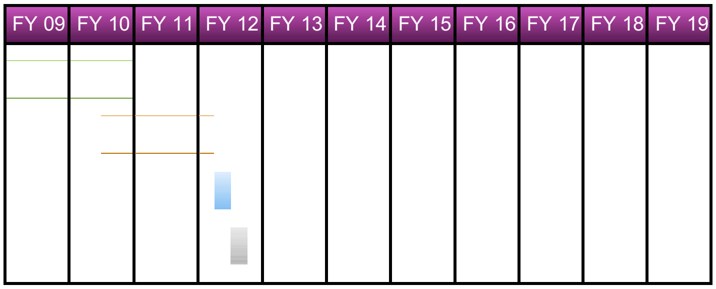
- Preserve existing water rights.
- Improve staff safety associated with the removal and installation of the dam.
- Streamline flood prevention and operating procedures for removal and installation of the dam.

PROJECT LOCATION



SCHEDULE & STATUS
July 2007 to January 2012

Phase	Cost
Plan	289
Design	154
Construct	1,800
~~Closeout~~	15
	2,258



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Diversion Dam Improvements	144	125	109	810	1,070	0	0	0	2,258
with inflation	144	125	109	921	1,280	0	0	0	2,579

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Diversion Dam Improvements	677	0	408	0	622	1,280	0	0	0	2,579

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,579
Other Funding Source	0
Total	**2,579**

OPERATING COST IMPACTS
Operating cost impacts are anticipated an will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**East Pipeline Rehabilitation**
Program	Water Supply – Transmission
Priority No.	48
Project No.	94344006
District Contact	Keith Whitman kwhitman@valleywater.org

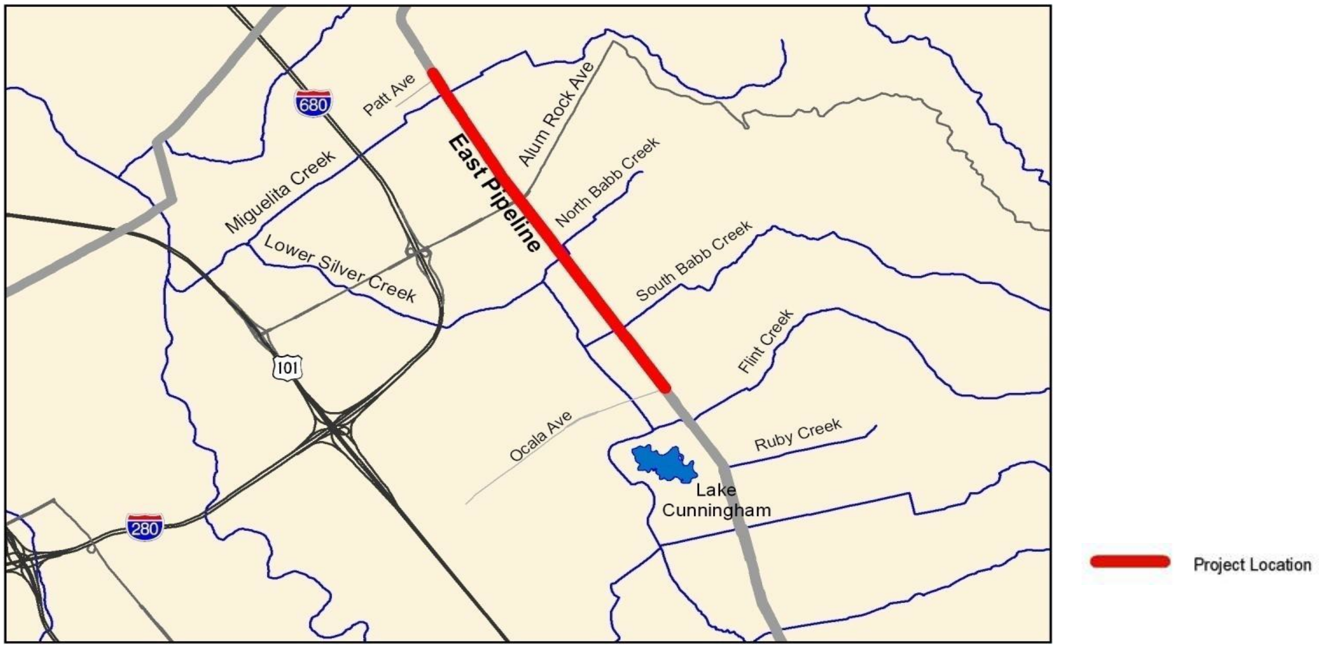
The Occala Line Valve will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs major repairs and improvements on approximatley 2.3 miles of the East Pipeline from the Patt Avenue to the Ocala Line Valves, extending through the east side of City of San Jose, to accomplish the following objectives:

- Improve reliability, operation and extend the life of the pipeline.
- Reduce health and safety risks for staff and the public.
- Reduce costly emergency repairs.
- Comply with new regulations by the California Department of Public Health

PROJECT LOCATION

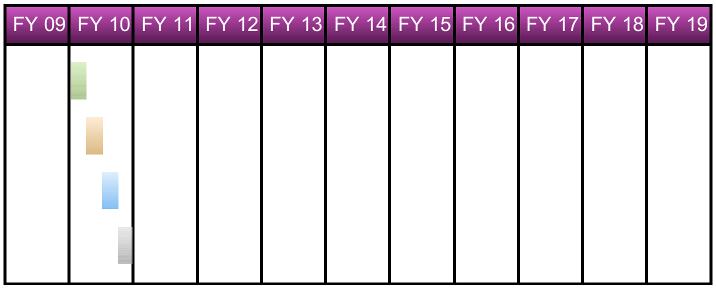


SCHEDULE & STATUS

July 2009 to June 2010

Some planning was previous acomplished in an operating project.

Phase	Cost
Plan	100
Design	314
Construct	1,086
Closeout	10.00
	1,510



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
East Pipeline Rehabilitation	n/a	0	1,510	0	0	0	0	0	1,510
with inflation	n/a	0	1,510	0	0	0	0	0	1,510

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
East Pipeline Rehabilitation	n/a	0	0	1,510	0	0	0	0	0	1,510

FUNDING SOURCES

(in thousands $)

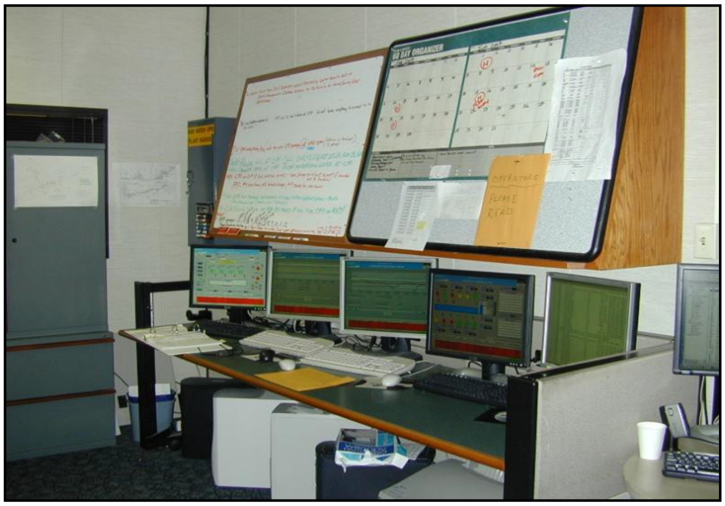
SCVWD General Fund	1,510
Other Funding Source	0
Total	**1,510**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	**IRP2 Backup Raw Water Control Center at Almaden**
Program	Water Supply – Transmission
Priority No.	53
Project No.	92374005
District Contact	Dave Chesterman dchesterman@valleywater.org

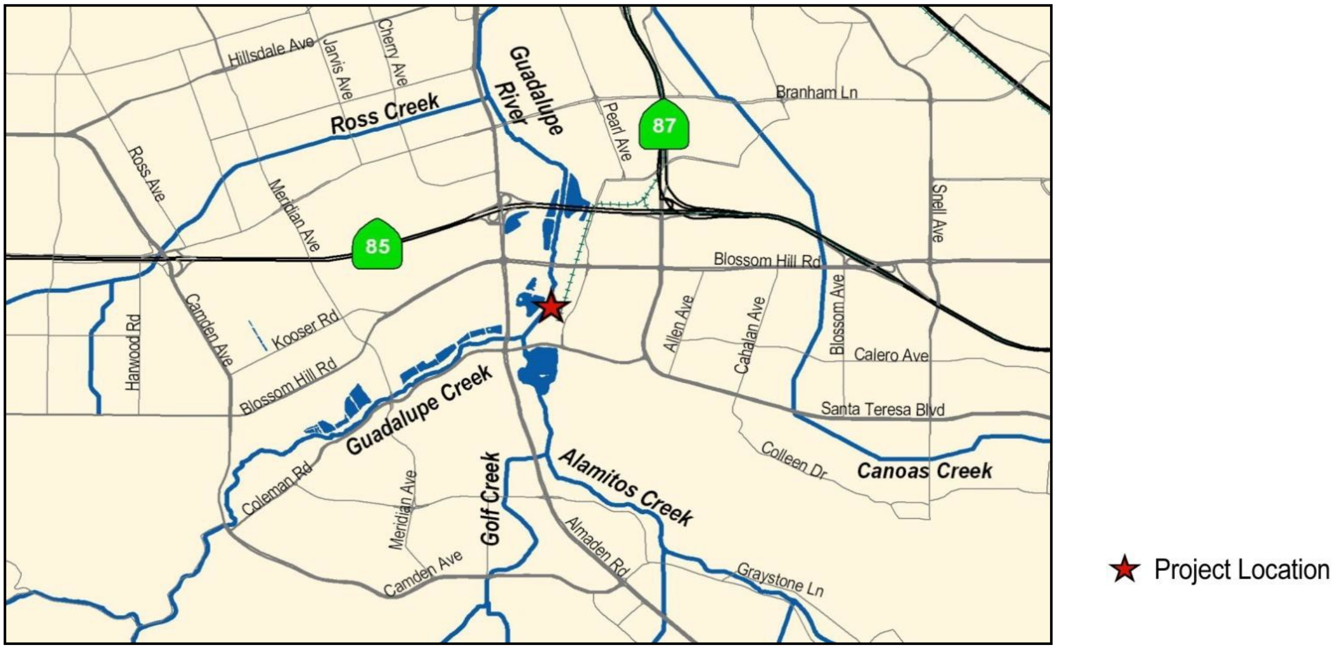


Raw water SCADA operations control room at RWTP.
A satellite control room will be constructed at Almaden.

PROJECT DESCRIPTION

This project plans, designs, and constructs a raw water Supervisory Control and Data Acquisition (SCADA) system at the Almaden Campus, supporting the main system which is remotely located at Rinconada Water Treatment Plant (RWTP), as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to provide a backup location for the raw water SCADA system.

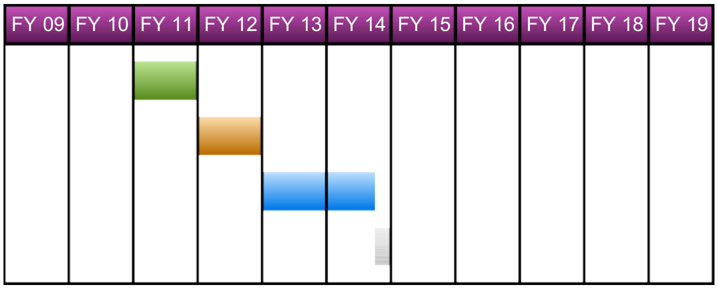
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2014

Phase	Cost
Plan	33
Design	110
Construct	1,151
~~Closeout~~	11
	1,305



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	33	110	656	506	0	1,305
with inflation	0	0	0	36	124	846	693	0	1,699

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	36	124	846	693	0	1,699

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,699
Other Funding Source	0
Total	**1,699**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $40,000 per year, beginning in FY 2015, to have an operator exercise the control room once or twice a month and operational support from control technicians and SCADA engineers.

USEFUL LIFE: 10 Years

Project	**IRP2 Well Fields**
Program	Water Supply – Transmission
Priority No.	56
Project No.	94C40308
District Contact	Sandy Oblonsky soblonsky@valleywater.org

The District will work collaboratively with retailers to optimize well locations like this one and identify cost savings.

PROJECT DESCRIPTION

This project plans, designs, and constructs approximately 40 new wells, with an anticipated capacity of 1500 gpm each, near District transmission mains and retailer turnouts on the East and West sides of the District's distribution system to accomplish the following objectives:

- provide reliable emergency supply to retailers following a catastrophic event.
- provide up to 80 MGD (40 MGD on the East Side and 40 MGD on the West Side) of emergency supply (not new supply).

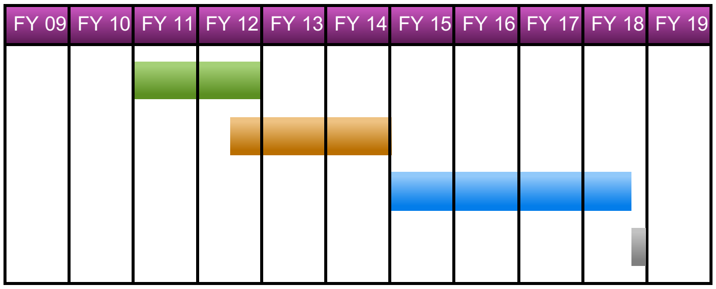
PROJECT LOCATION

No project map is provided. Sites are not provided for security reasons.

SCHEDULE & STATUS

February 2000 to June 2018

Phase	Cost
Plan	6,212
Design	12,425
Construct	78,083
Closeout	1,242
	97,962



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
IRP2 Well Fields	0	0	0	3,106	5,591	4,970	4,970	79,325	97,962
with inflation	0	0		3,372	6,325	5,859	6,105	125,094	146,756

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
IRP2 Well Fields	0	0	0	0	3,372	6,325	5,859	6,105	125,094	146,756

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	146,756
Other Funding Source	0
Total	146,756

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Kirk Diversion Dam and Fish Screen Improvements**
Program	Water Supply – Transmission
Priority No.	89
Project No.	92534003
District Contact	Katherine Oven koven@valleywater.org

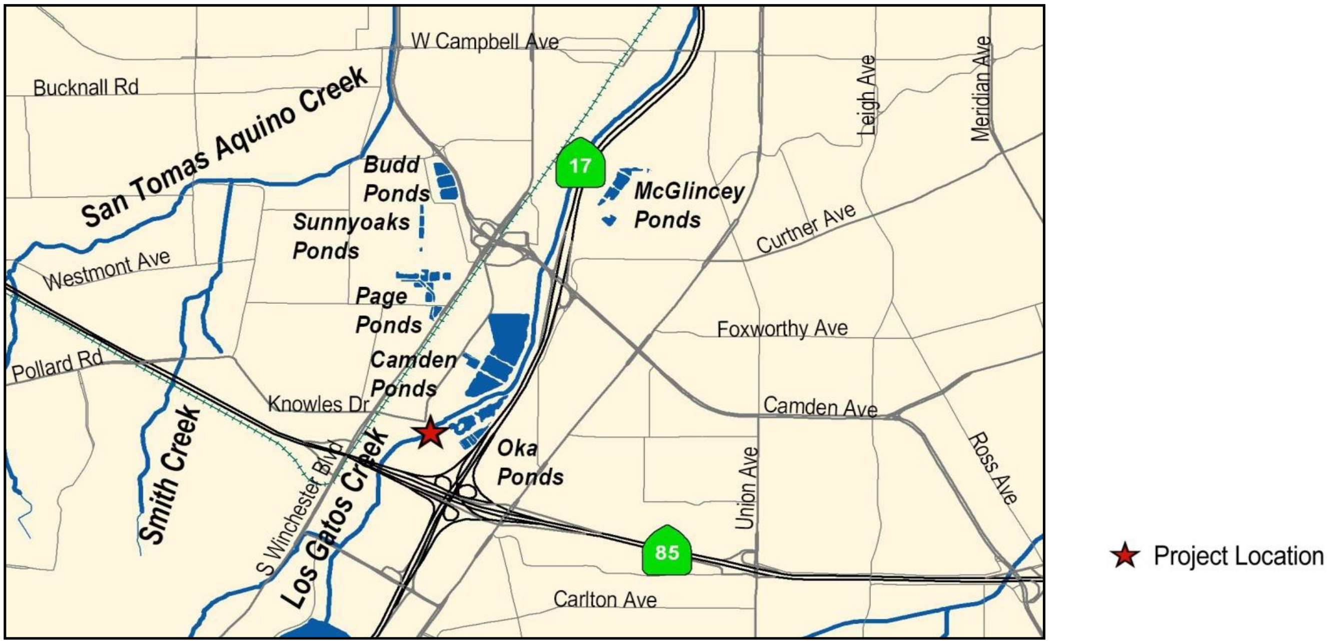
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Diversion Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to accomplish

- Preserve existing water rights.
- Reduce Flood Risk. The existing flashboard system cannot be removed during storm events or emergency situation
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Reduce entrainment of aquatic life forms into the Kirk and Page Ditches.
- Perform operations and maintenance in a more environmentally sensitive manner.

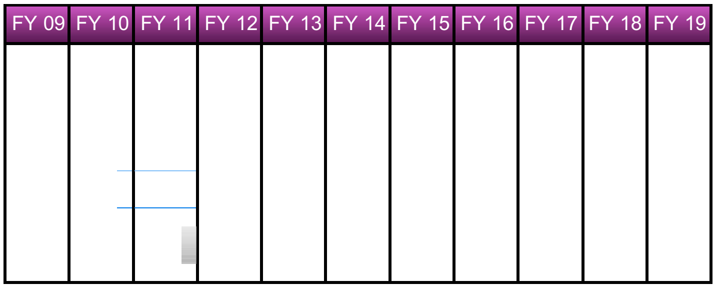
PROJECT LOCATION



SCHEDULE & STATUS

April 2008 to June 2011

Phase	Cost
Plan	619
Design	350
Construct	2,459
~~Closeout~~	22
	3,450



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Kirk Diversion Dam and Fish Screen Improvements	24	503	2,601	322	0	0	0	0	3,450
with inflation	24	503	2,601	350	0	0	0	0	3,478

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Kirk Diversion Dam and Fish Screen Improvements	313	214	0	2,601	350	0	0	0	0	3,478

Adjusted Budget includes adopted budget plus a planned budget adjustment of $5,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,478
Other Funding Source	0
Total	**3,478**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	**Main & Madrone Pipelines Restoration**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92564002
District Contact	Dave Chesterman dchesterman@valleywater.org

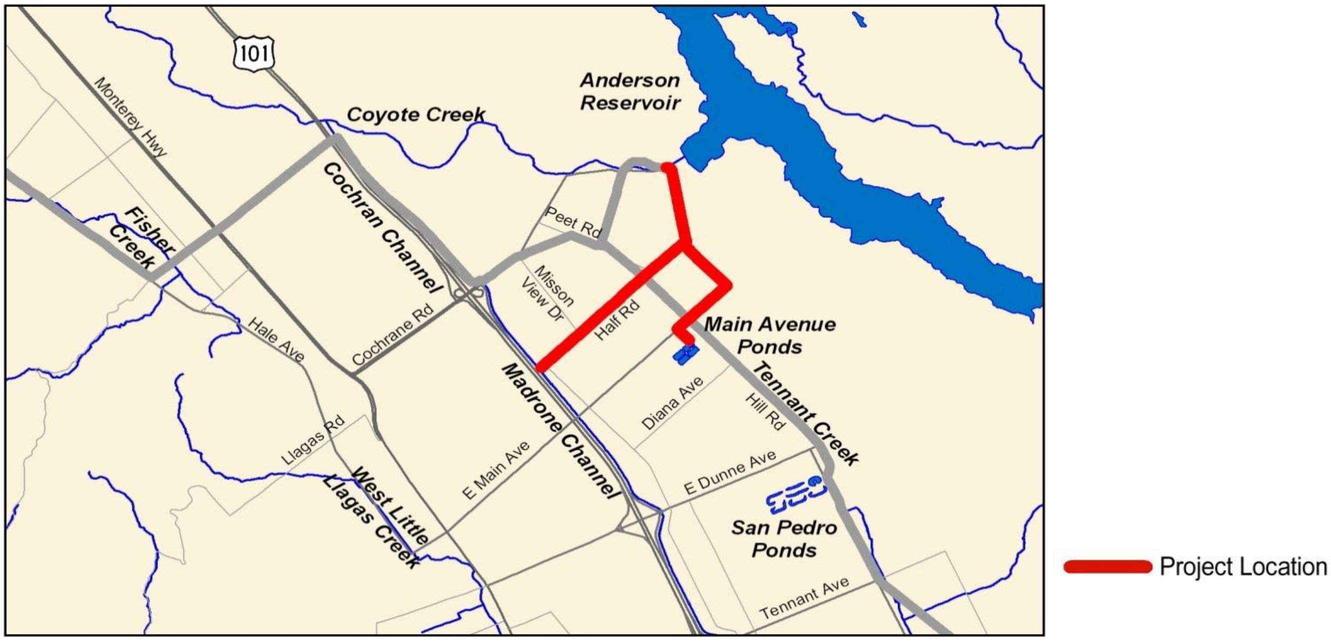
Looking west along East Main Avenue, the Maine Avenue Pipeline runs under the shoulder of the road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on the full length of the Madrone Pipeline and rehabilitates the Main Avenue Pipeline to accomplish the following objectives:

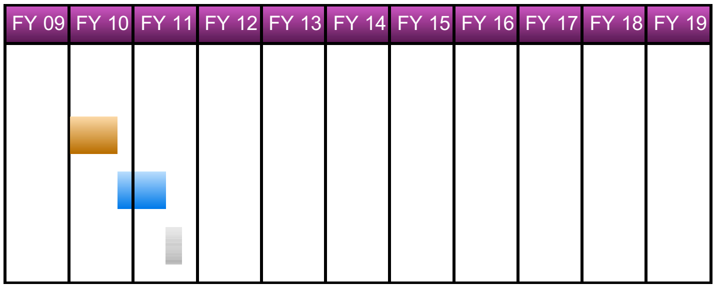
- Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- Allow for greater flows to the Main Avenue Ponds and the Madrone Channel.
- Maximize imported water flows to the treatment plants.

PROJECT LOCATION



SCHEDULE & STATUS
June 2008 to March 2011

Phase	Cost
Plan	386
Design	1,281
Construct	5,050
~~Closeout~~	50
	6,767



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Main & Madrone Pipelines Restoration	6	380	3,613	2,768	0	0	0	0	6,767
with inflation	6	380	3,613	3,144	0	0	0	0	7,143

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Main & Madrone Pipelines Restoration	918	71	603	3,010	3,144	0	0	0	0	7,143

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	7,143
Other Funding Source	0
Total	**7,143**

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the facility or modes of operation.

USEFUL LIFE: 40 Years

Project	**Page Desilting System Improvements**
Program	Water Supply – Transmission
Priority No.	43
Project No.	92604002
District Contact	Dave Chesterman dchesterman@valleywater.org

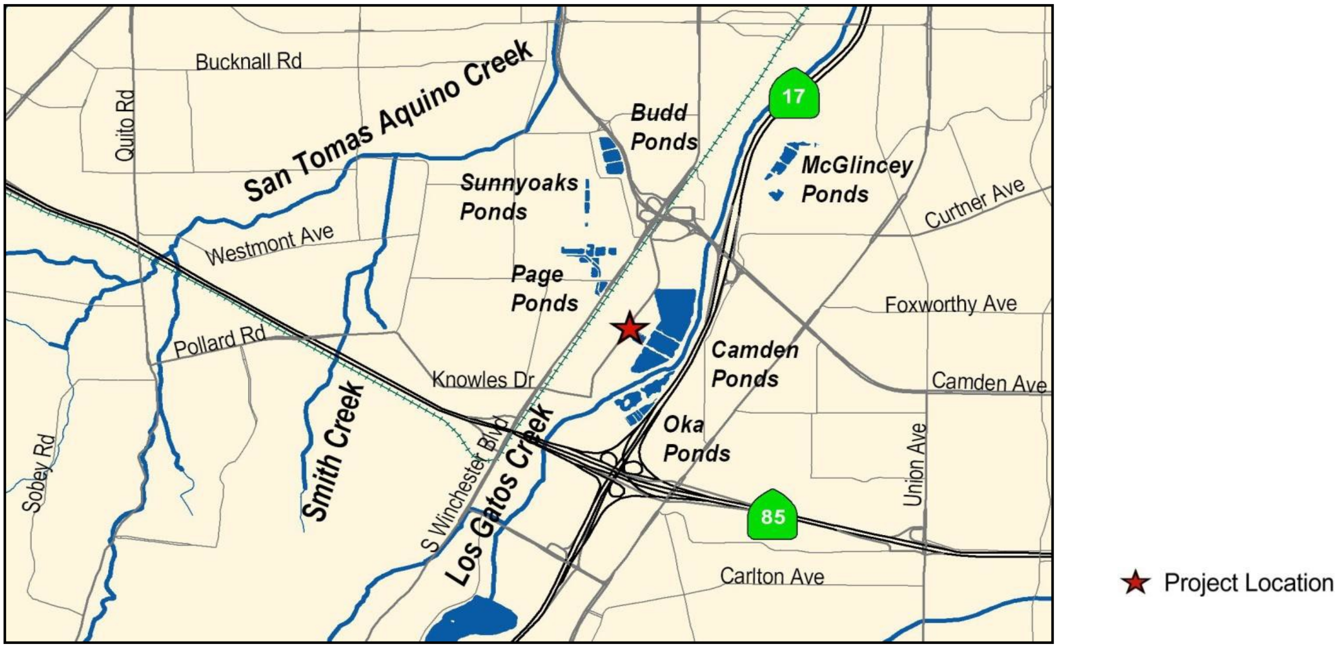
Page Desilting System Weir, adjacent to the Camden Avenue Recharge Ponds

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Page Desilting System, adjacent to the Camden Avenue Recharge Ponds, to accomplish the following objectives:

- Modify existing weirs to increase the discharge capacity from 25 cfs to 36 cfs to increase annual yield by 300 acre feet per year.
- Lower the operating levels of the detention basin to 6 inches below the current level, if possible.
- Increase the District's capacity to exercise water rights.
- Reduce operating risks.

PROJECT LOCATION

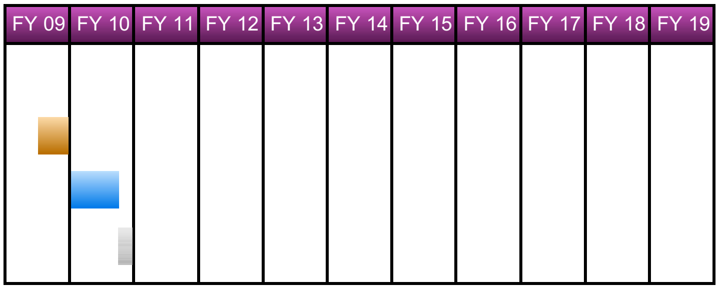


SCHEDULE & STATUS

January 2009 to June 2010

Planning Phase was done with other work in a separate project.

Phase	Cost
Plan	-
Design	146
Construct	664
~~Closeout~~	32
	842



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Page Desilting System Improvements	0	146	696	0	0	0	0	0	842
with inflation	0	146	696	0	0	0	0	0	842

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Page Desilting System Improvements	0	310	164	532	0	0	0	0	0	842

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	842
Other Funding Source	0
Total	**842**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2011. Manually flushing the control valves during the winter months to remove silt will no longer be required.

USEFUL LIFE: 50+ Years

Project	**Penitencia Fish Facilities Modifications**
Program	Water Supply – Transmission
Priority No.	44
Project No.	92614004
District Contact	Katherine Oven koven@valleywater.org

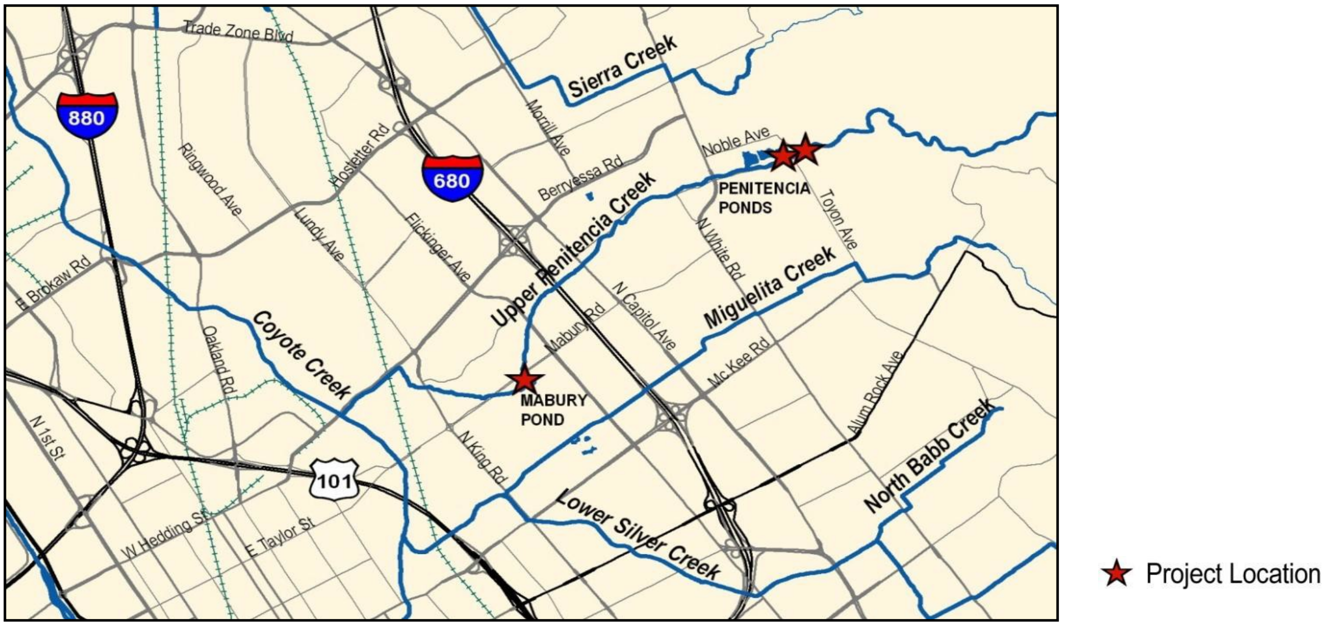
Noble Diversion and fish ladder on Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Penitencia Creek at the fish facilities located near the Robert W. Gross Ponds, Noble Avenue Diversion, and Mabury Diversion to accomplish the following objectives:

- Prevent exotic species that populate the Robert W. Gross Ponds from being introduced into Penitencia Creek.
- Develop water supplies and exercise water rights on Upper Penitencia Creek at the Noble Avenue and Mabury Diversions.

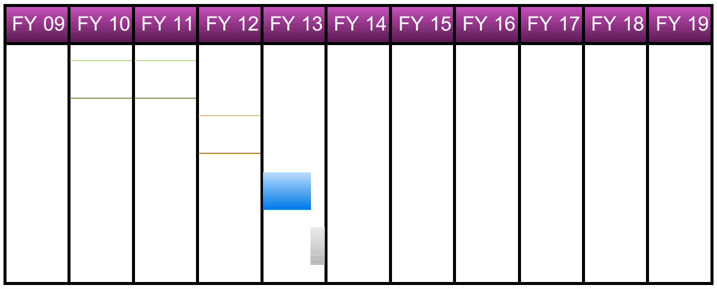
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	387
Design	276
Construct	668
~~Closeout~~	56
	1,387



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Penitencia Fish Facilities Modifications	0	0	276	221	166	724	0	0	1,387
with inflation	0	0	276	240	188	934	0	0	1,638

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Penitencia Fish Facilities Modifications	0	0	0	276	240	188	934	0	0	1,638

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,638
Other Funding Source	0
Total	**1,638**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year, beginning in FY 2014. The possible abandonment of the Mabury diversion would put the water to a more beneficial use and save on labor to operate the diversion and existing fish screens at that location.

USEFUL LIFE: 20 Years

Project	**Pipeline Hydraulic Reliability Upgrades**
Program	Water Supply – Transmission
Priority No.	48
Project No.	92C40252
District Contact	Dave Chesterman dchesterman@valleywater.org

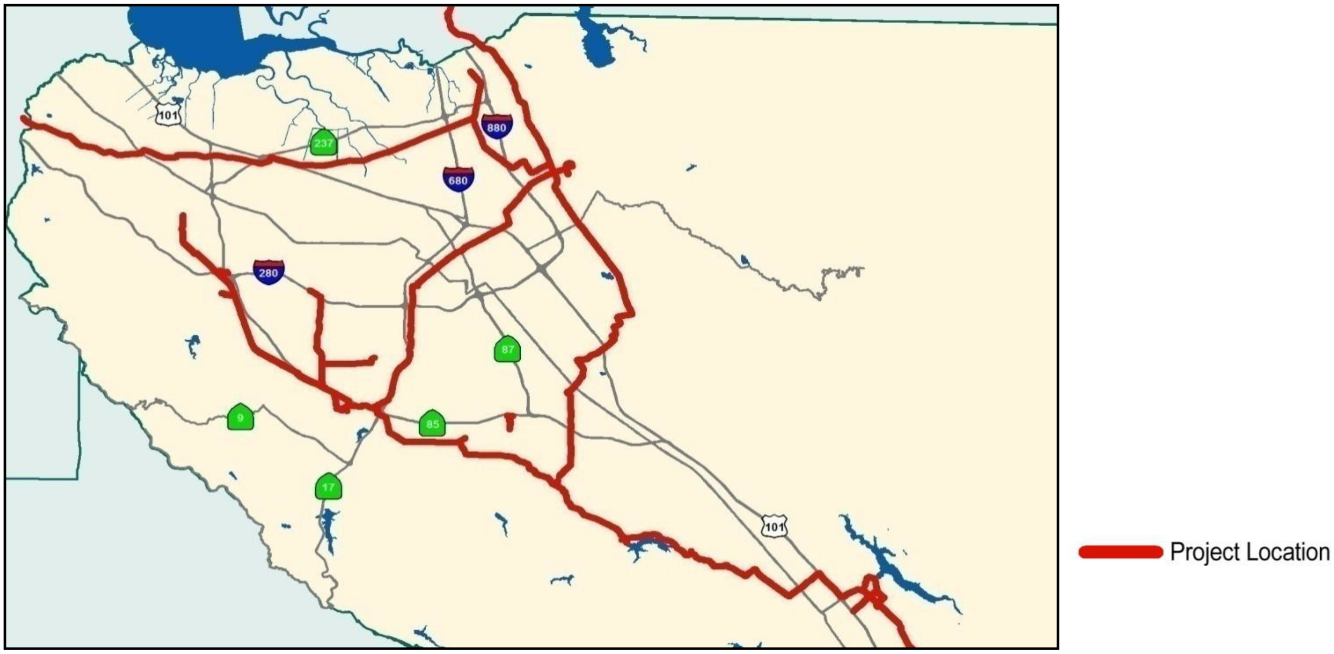
Telemetry will be added to agricultural turnouts such as these so that flow can be monitored remotely.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements along the treated and raw water pipelines to ensure hydraulic reliability of the pipelines.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

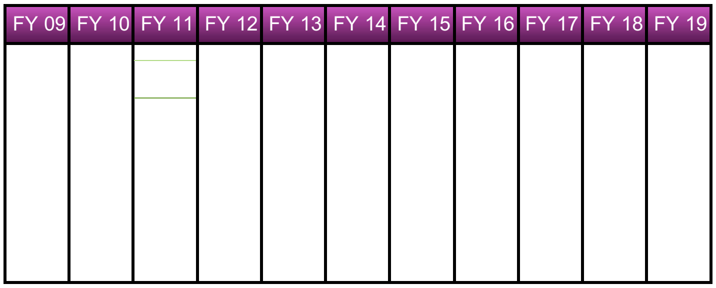


SCHEDULE & STATUS

July 2010 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	260
Design	-
Construct	-
~~Closeout~~	-
	260



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pipeline Hydraulic Reliability Upgrades	0	0	0	260	0	0	0	0	260
with inflation	0	0	0	282	0	0	0	0	282

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Pipeline Hydraulic Reliability Upgrades	0	0	0	0	282	0	0	0	0	282

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	282
Other Funding Source	0
Total	**282**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

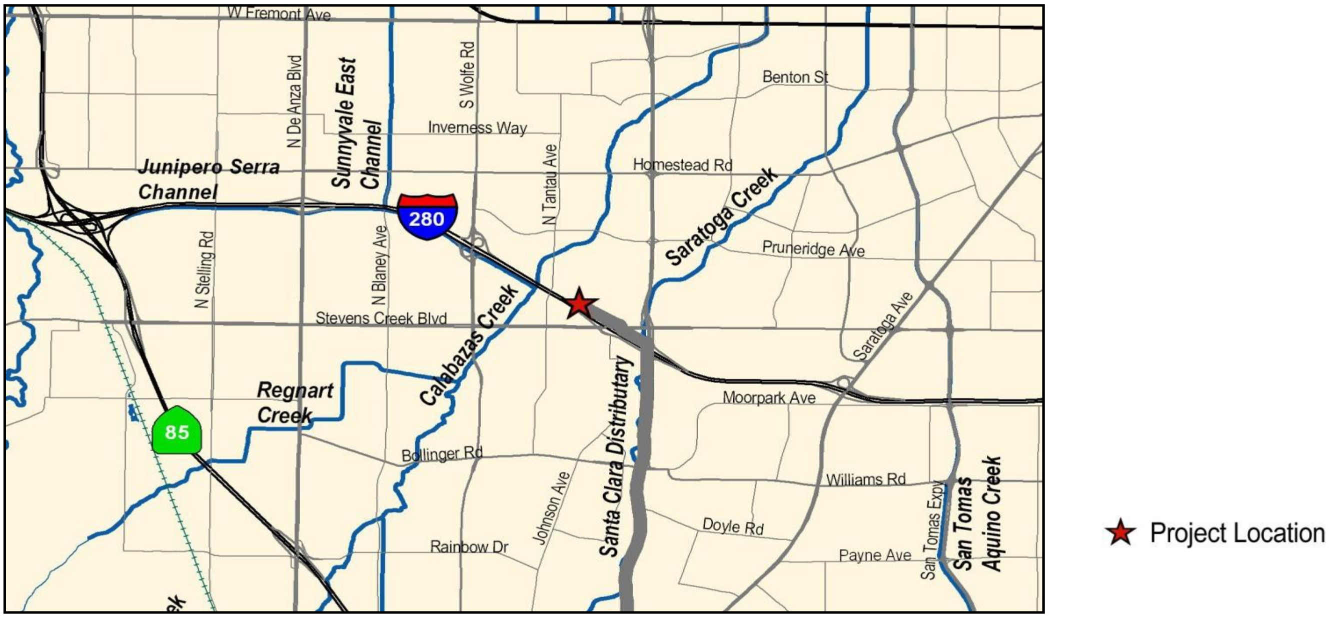
Project	**Santa Clara Distributary Turnout**
Program	Water Supply – Transmission
Priority No.	41
Project No.	94554002
District Contact	Dave Chesterman dchesterman@valleywater.org

A second turnout will be constructed near Santa Clara's current turnout, which is shown here.

PROJECT DESCRIPTION

This project coordinates with the City of Santa Clara for the planning, design, and construction of a second turnout on the Santa Clara Distributary, near the existing turnout, which is located at the terminus of the Distributary, near Interstate 280 and north of the Stevens Creek Boulevard crossing to reduce discharge velocities from the existing Santa Clara Distributary turnout to acceptable levels.

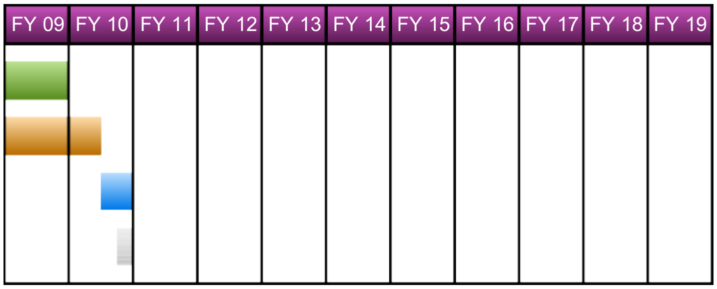
PROJECT LOCATION



SCHEDULE & STATUS

January 2008 to June 2010

Phase	Cost
Plan	67
Design	91
Construct	357
~~Closeout~~	10
	525



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Santa Clara Distributary Turnout	91	161	273	0	0	0	0	0	525
with inflation	91	161	273	0	0	0	0	0	525

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Santa Clara Distributary Turnout	98	156	2	271	0	0	0	0	0	525

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	525
Other Funding Source	0
Total	**525**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, because the new facility will be owned and operated by the City of Santa Clara.

USEFUL LIFE: 40 Years

Project	**Small Capital Improvements, Raw Water Transmission**
Program	Water Supply – Transmission
Priority No.	60
Project No.	92764009
District Contact	Keith Whitman kwhitman@valleywater.org

Major repair and replacement of turnout roofs and similar small raw water capital projects will be done, per the asset management plan.

PROJECT DESCRIPTION

This project will repair or rehabilitate various existing raw water distribution facilities such as identifying and fixing corrosion problems, replacing valves and other appurtenances and modifying water recharge facilities to avoid failure of the raw water transmission system and extend the life of the infrastructure. This project is part of the District's 10-year asset management program. Planned projects for FY 2010 include:

- Stream Gages (Coyote/Metcalf & Kirk Ditch) Improvements
- Westmont Percolation Basin Improvements
- Capital Pond Overflow/Outlet Improvements
- Turnout Roof Replacements

PROJECT LOCATION

No map is provided as the location of the improvement will change significantly from year to year.

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	6,092											
Closeout	n/a											
	6,092											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Raw Water Transmission	n/a	0	302	246	135	1,080	1,883	2,446	6,092
with inflation	n/a	0	302	267	153	1,273	2,313	3,306	7,614

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Raw Water Transmission	n/a	0	0	302	267	153	1,273	2,313	3,306	7,614

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	7,614
Other Funding Source	0
Total	**7,614**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**Small Capital Improvements, Treated Water Transmission**
Program	Water Supply – Transmission
Priority No.	48
Project No.	94764006
District Contact	Ray Yep ryep@valleywater.org

Small Capital projects at treated water transmission facilities, similar to this new valve installation in the Piedmont Line Valve Vault, will be done, per the asset management plan.

PROJECT DESCRIPTION

This project will repair or rehabilitate various existing treated water distribution facilities, such as identifying and treating corrosion problems, replacing valves and other appurtenances and repairing or adding turnouts to avoid failure of the treated water transmission system and to extend the life of the infrastructure. This project is part of the District's 10-year asset management program. There are no projects planned for FY 2010.

PROJECT LOCATION

No map is provided as the location of the improvement will change significantly from year to year.

SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	6,486											
Closeout	n/a											
	6,486											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Treated Water Transmission	n/a	0	0	699	1,449	1,001	355	2,982	6,486
with inflation	n/a	0	0	759	1,639	1,180	436	4,025	8,039

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Treated Water Transmission	n/a	0	0	0	759	1,639	1,180	436	4,025	8,039

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	8,039
Other Funding Source	0
Total	**8,039**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**South County Pipeline Right of Way Acquisition**
Program	Water Supply – Transmission
Priority No.	36
Project No.	92144001
District Contact	Dave Chesterman dchesterman@valleywater.org

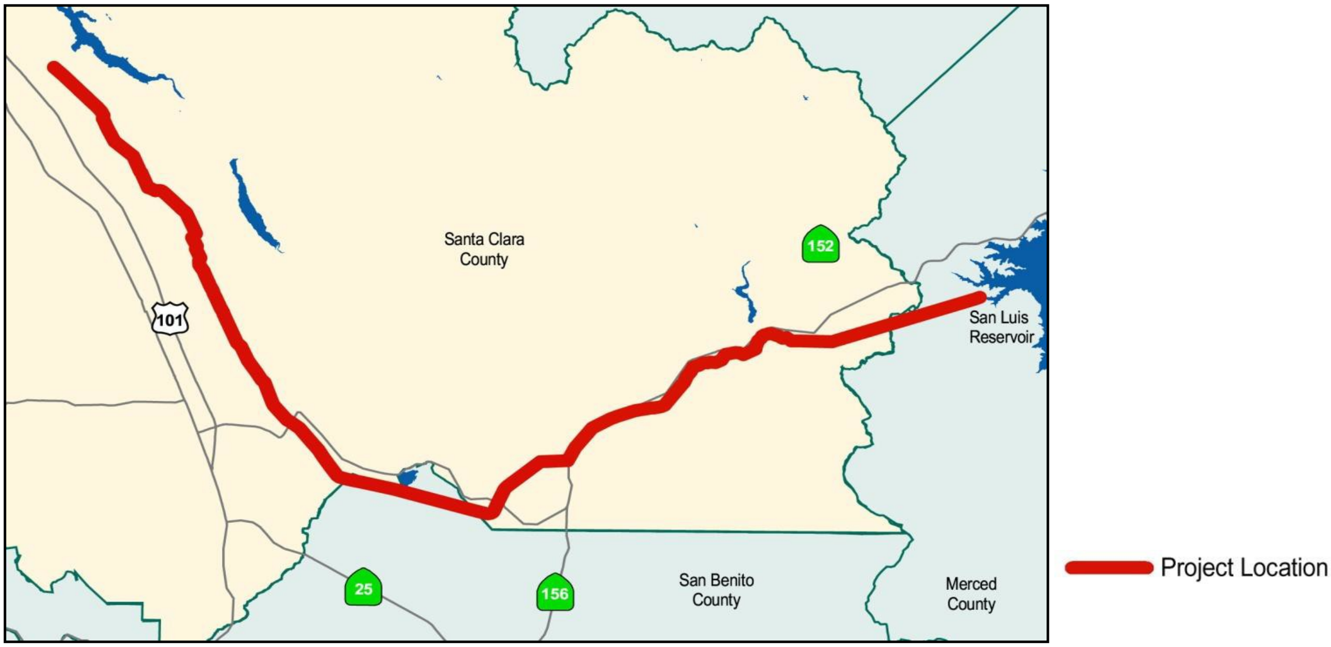
Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements related to the acquisition of right of way along the South County Pipeline to accomplish the following objectives:

- Provide unlimited access to District owned pipeline.
- Reduce conflicts with local land owners and improve response time for emergency repairs or operations.

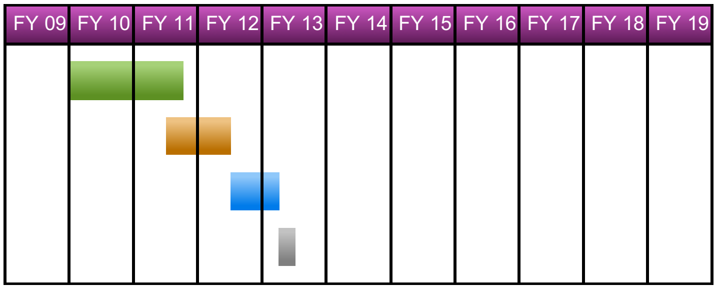
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to December 2012

Phase	Cost
Plan	254
Design	194
Construct	1,425
Closeout	35
	1,908



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
South County Pipeline Right of Way Acquisition	0	0	36	315	1,033	524	0	0	1,908
with inflation	0	0	36	342	1,244	670	0	0	2,292

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
South County Pipeline Right of Way Acquisition	0	174	174	0	204	1,244	670	0	0	2,292

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,292
Other Funding Source	0
Total	2,292

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY 2013, for vegetation control and/or maintenance of fences, gates and locks for the access roads.

USEFUL LIFE: 15-20 Years

Project	**Stevens Creek & Vasona Raw Water Distribution**
Program	Water Supply – Transmission
Priority No.	58
Project No.	92764010
District Contact	Dave Chesterman dchesterman@valleywater.org

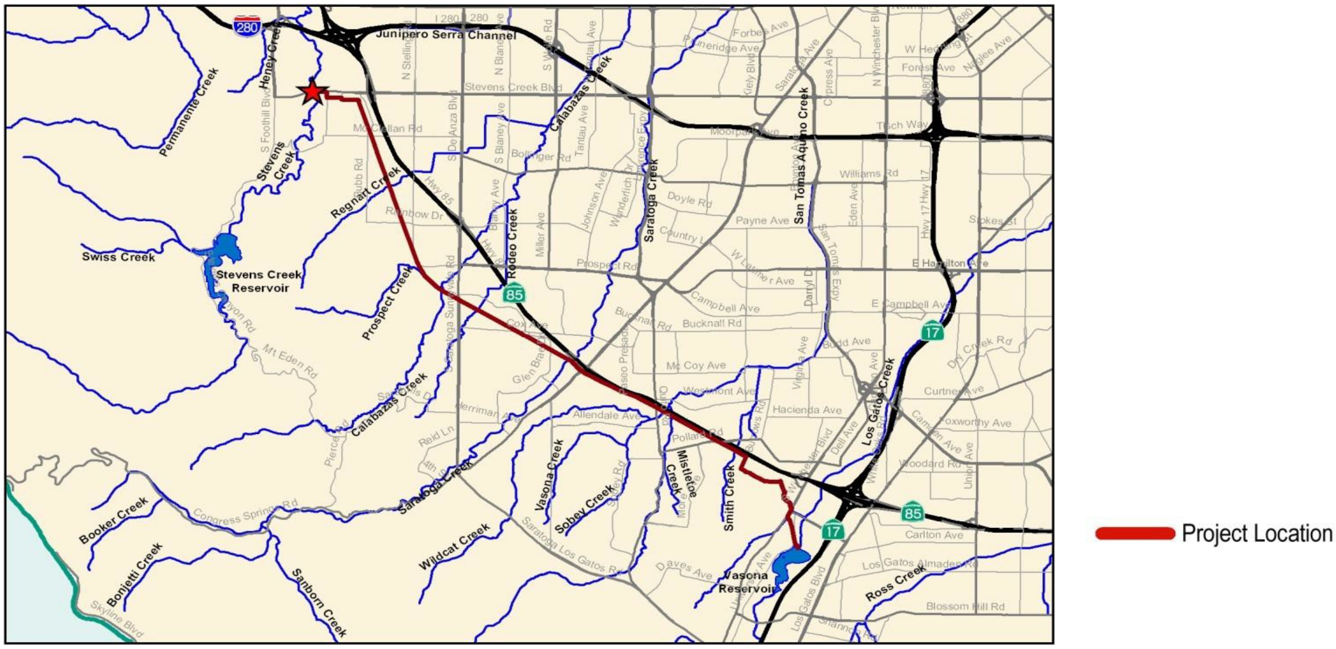
Stevens Creek Pipeline intersects Vasona Canal near Pollard Road and Highway 85.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Stevens Creek and Vasona raw water conveyance system, to accomplish the following objectives:

- Improve water supply reliability by adding raw water system operational flexibility.
- Increase beneficial use of local water supply.
- Increase the District's capacity to exercise water rights.
- Increase potential for groundwater recharge
- Provide an alternate source of streamflow of adequate temp and quantity without using water from Stevens Creek Reservoir, when it is out of service.

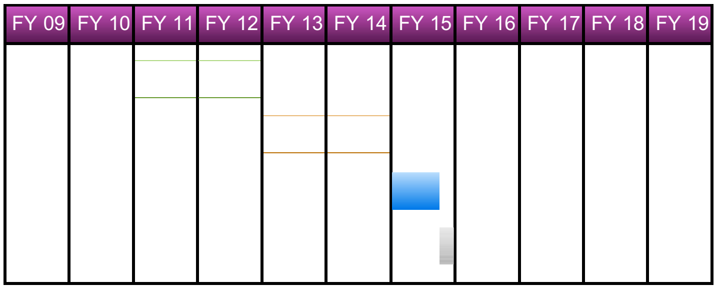
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2015

Phase	Cost
Plan	896
Design	16,000
Construct	10,000
~~Closeout~~	-
	26,896



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Stevens Creek & Vasona Raw Water Distribution	0	0	122	774	12,000	4,000	10,000	0	26,896
with inflation	0	0	122	807	13,029	4,525	13,108	0	31,591

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Stevens Creek & Vasona Raw Water Distribution	0	0	0	122	807	13,029	4,525	13,108	0	31,591

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	31,591
Other Funding Source	0
Total	**31,591**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Treated Water Pipelines Turnout Improvements**
Program	Water Supply – Transmission
Priority No.	44
Project No.	92C40253
District Contact	Dave Chesterman dchesterman@valleywater.org

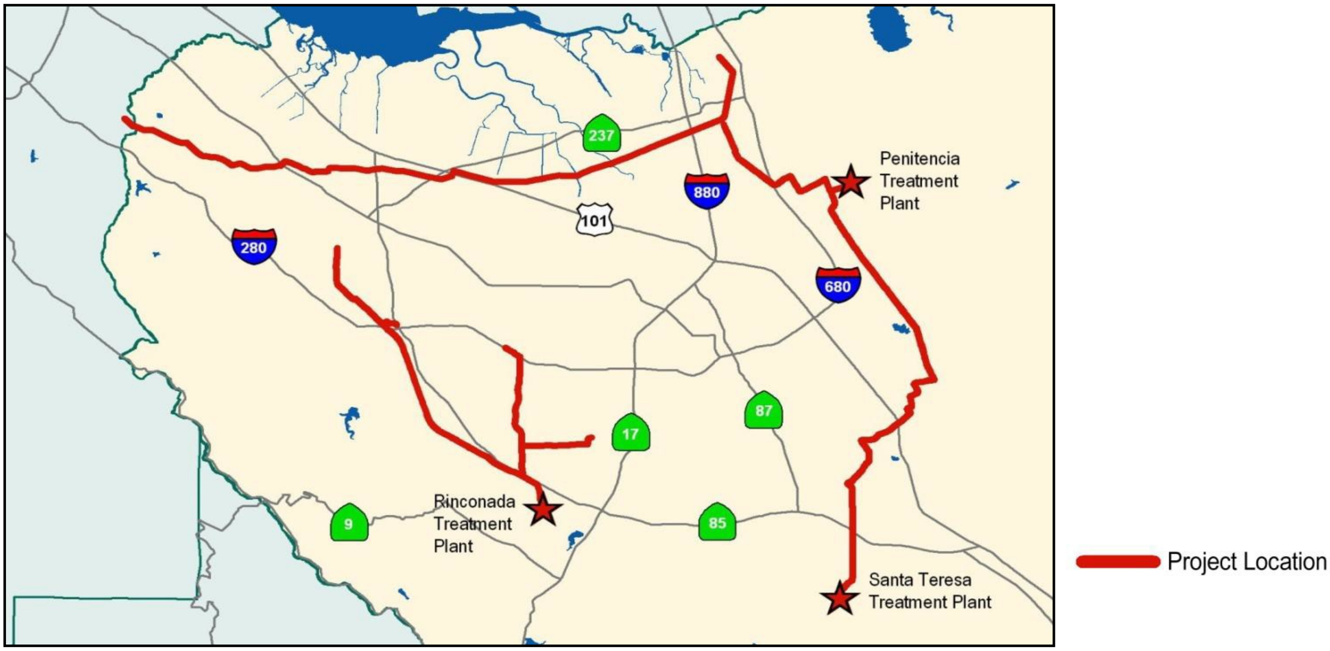
Check valves will be added at turnouts to prevent backflow and potential water quality concerns. Pressure gauges will also be added at high points

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to treated water turnouts to correct deficiencies with regard to health and safety, water quality, and asset protection of various treated water turnouts.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

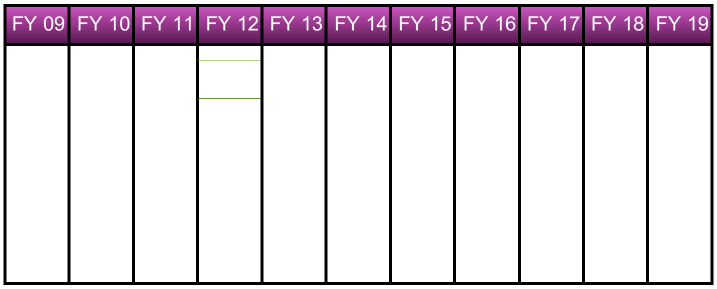

237
880
101
280
680
87
17
9
85
Penitencia Treatment Plant
Rinconada Treatment Plant
Santa Teresa Treatment Plant
Project Location

SCHEDULE & STATUS

July 2011 to June 2012

(Planning Phase Only)

Phase	Cost
Plan	260
Design	-
Construct	-
~~Closeout~~	-
	260



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Treated Water Pipelines Turnout Improvements	0	0	0	0	260	0	0	0	260
with inflation	0	0	0	0	294	0	0	0	294

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Treated Water Pipelines Turnout Improvements	0	0	0	0	0	294	0	0	0	294

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	294
Other Funding Source	0
Total	**294**

OPERATING COST IMPACTS

Planning Phase Only: No operating ost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Vasona Pumping Plant Electrical Upgrades**
Program	Water Supply – Transmission
Priority No.	47
Project No.	92264008
District Contact	Dave Chesterman dchesterman@valleywater.org

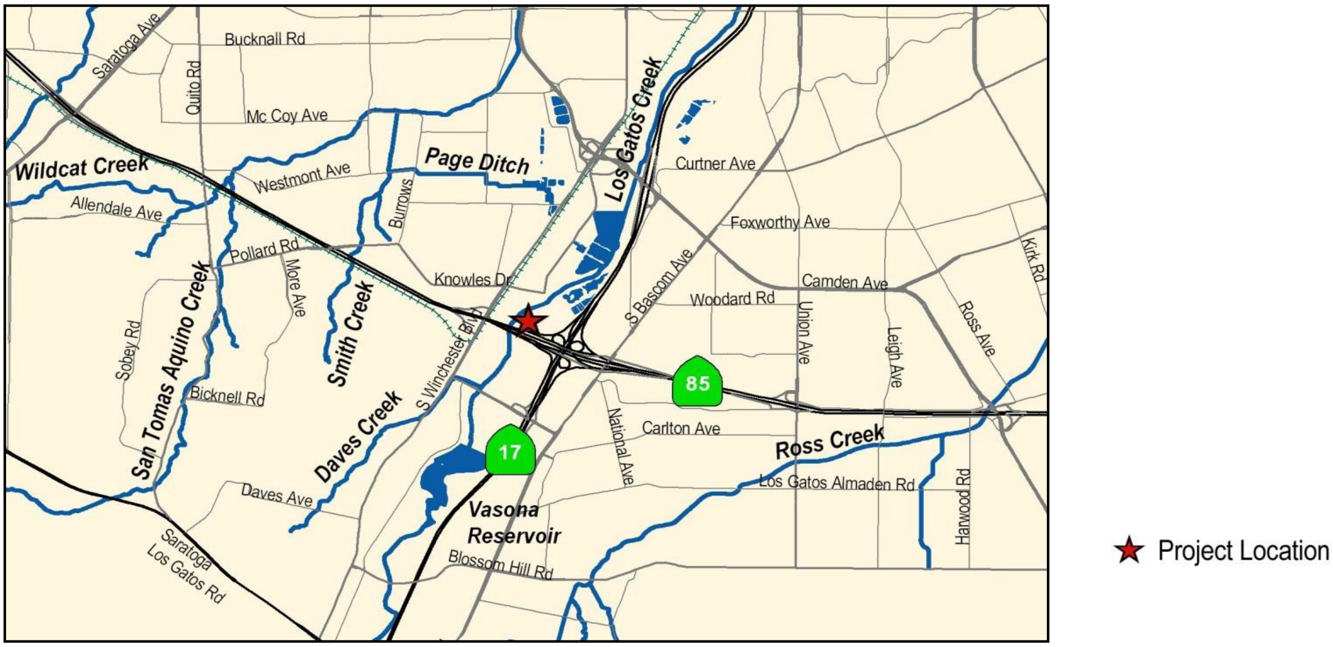
Four electrical control cabinets and motor control panels at Vasona Pumping Plant are scheduled for upgrade.

PROJECT DESCRIPTION

This project plans, designs, and constructs overall rehabilitation and upgrades at Vasona Pumping Plant to accomplish the following objectives:

- Mitigate existing deficiencies in the electrical and control instrumentation systems for short-term reliability.
- Improve the reliability and operation of the pump station to address impacts of Rinconada Water Treatment Plant (RWTP) improvements and other proposed, system-wide modifications.

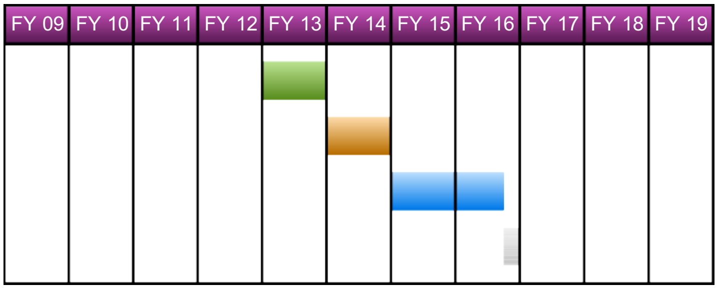
PROJECT LOCATION



SCHEDULE & STATUS

July 2012 to June 2016

Phase	Cost
Plan	208
Design	337
Construct	3,825
~~Closeout~~	52
	4,422



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Vasona Pumping Plant Electrical Upgrades	0	0	0	0	0	104	441	3,877	4,422
with inflation	0	0	0	0	0	123	542	6,091	6,755

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Vasona Pumping Plant Electrical Upgrades	0	0	0	0	0	0	123	542	6,091	6,755

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,755
Other Funding Source	0
Total	**6,755**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Electrical Systems – 10 Years; Pumping Equipment – 15 Years

Project	**West Pipeline Rehabilitation**
Program	Water Supply – Transmission
Priority No.	48
Project No.	94364002
District Contact	Keith Whitman kwhitman@valleywater.org

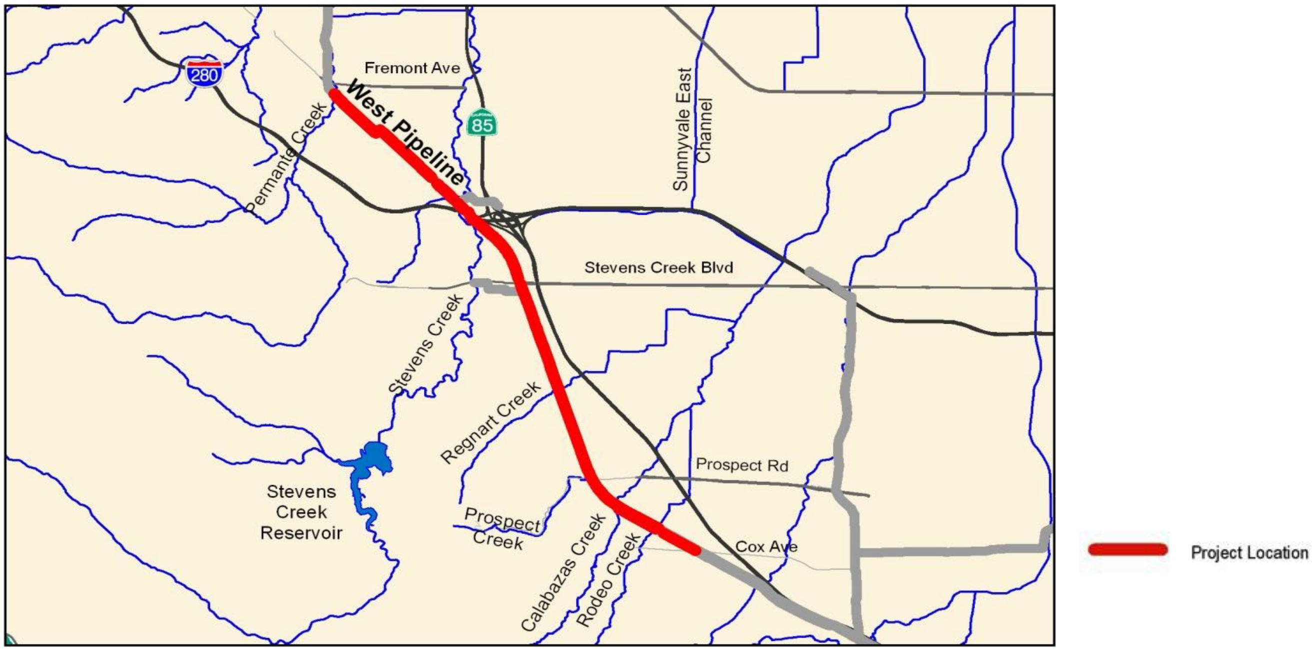
Corroded air release valve in a concrete vault on the West Pipeline

PROJECT DESCRIPTION

This project plans, designs, and constructs major repairs and improvements to the West Pipeline from the turnout structures at Cox and Mountain View Pipeline, extending through portions of Saratoga, Cupertino, Los Altos, and Santa Clara County, to accomplish the following objectives:

- Improve reliability, operation and extend the life of the pipeline.
- Reduce health and safety risks for staff and the public.
- Reduce costly emergency repairs.
- Comply with new regulations by the California Department of Public Health

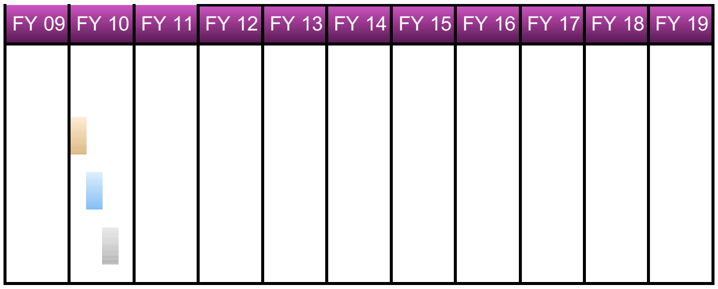
PROJECT LOCATION



SCHEDULE & STATUS

Planning was previous acomplished in an operating project.

Phase	Cost
Plan	-
Design	378
Construct	1,886
Closeout	10.00
	2,274



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
West Pipeline Rehabilitation	n/a	0	2,274	0	0	0	0	0	2,274
with inflation	n/a	0	2,274	0	0	0	0	0	2,274

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
West Pipeline Rehabilitation	n/a	0	0	2,274	0	0	0	0	0	2,274

FUNDING SOURCES

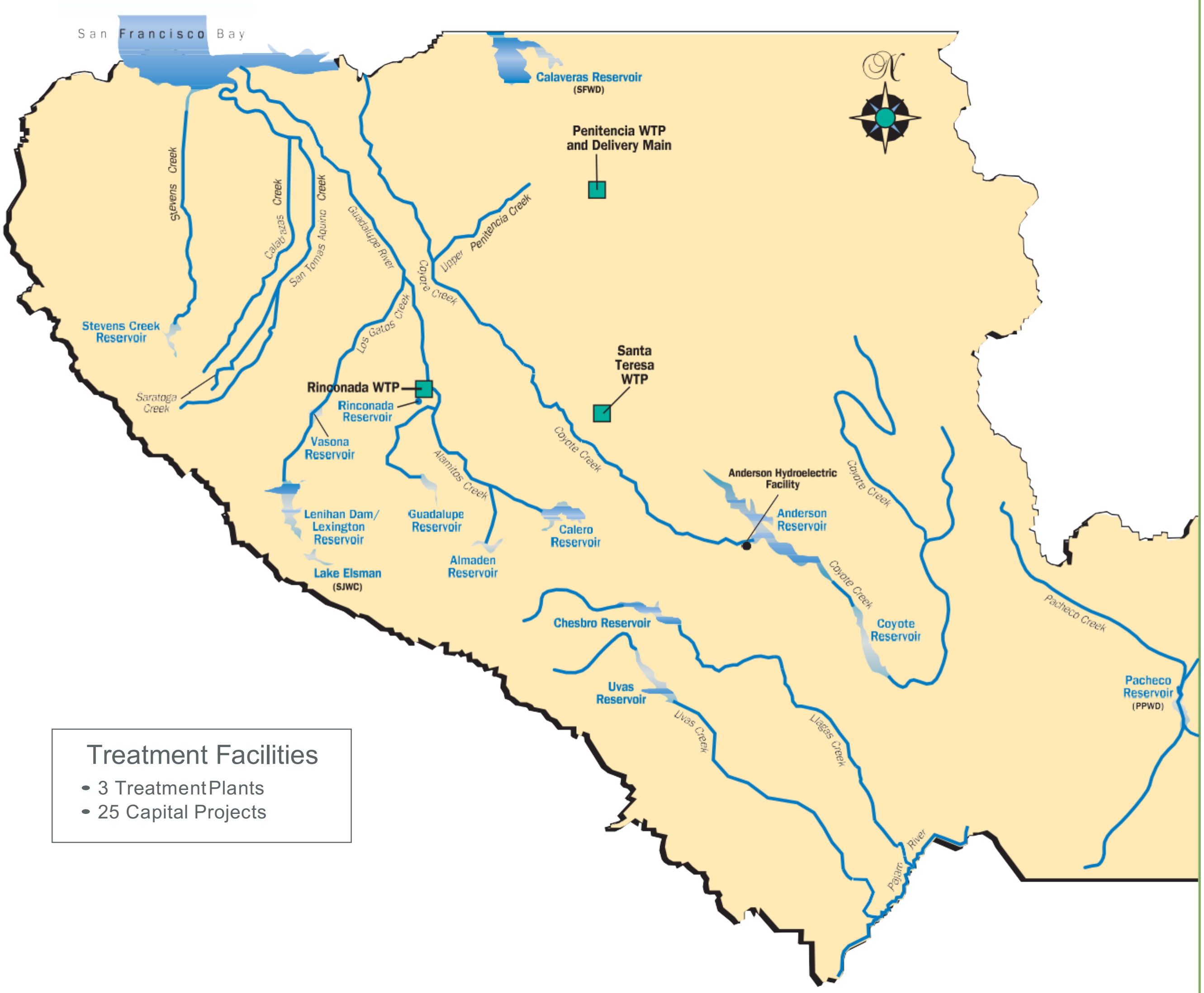
(in thousands $)

SCVWD General Fund	2,274
Other Funding Source	0
Total	**2,274**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years



Treatment Facilities

- 3 Treatment Plants
- 25 Capital Projects

Treatment Facilities Project Pages

Project	**IRP2 Seismic Study and Retrofit of WTP Operations Buildings**
Program	Water Supply – Treatment
Priority No.	74
Project No.	93764003
District Contact	Dave Chesterman dchesterman@valleywater.org

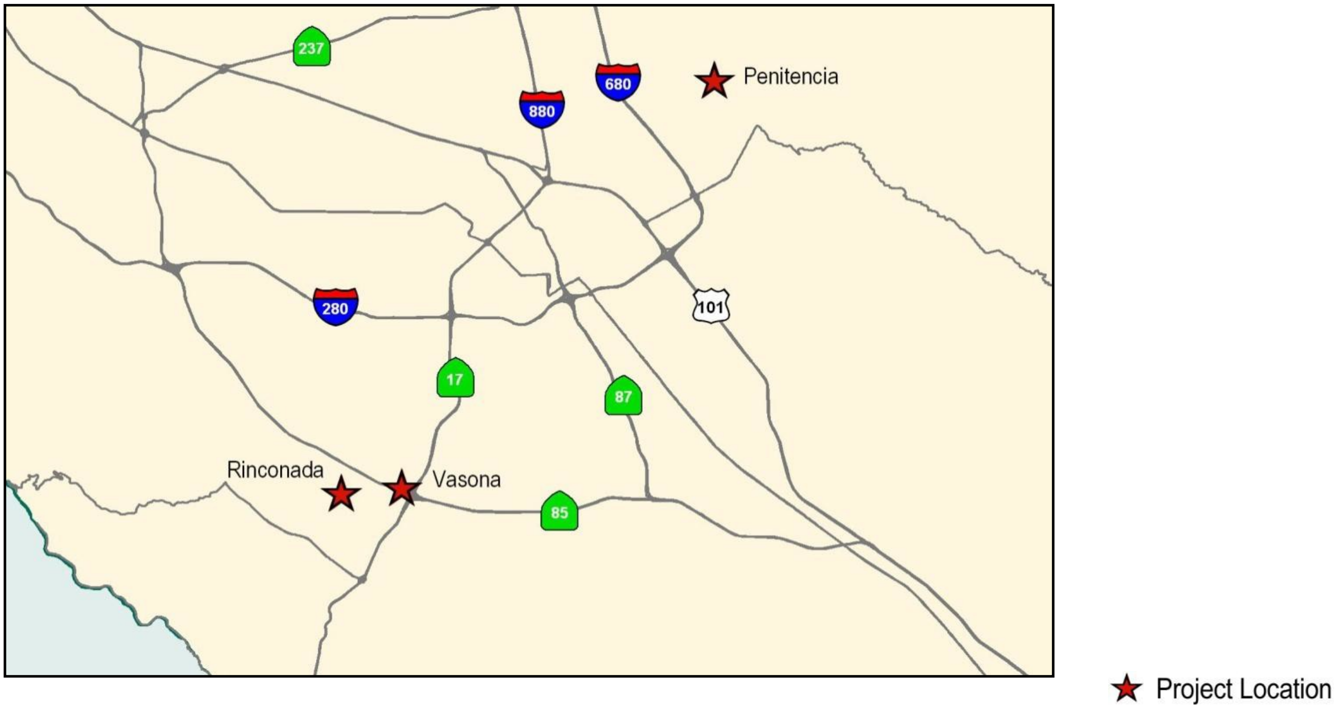
The RWTP control building is one of four buildings that will be studied and possibly retrofitted to meet safety requirements

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements, including possible seismic retrofitting of two water treatment plant operations buildings and two buildings at the Vasona Pump Station that were built prior to 1980, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to ensure a healthy and safe work environment for employees and provide for continued functionality of these critical facilities after a major earthquake.

In addition, this Project will consider some non-structural elements of the Rinconada Water Treatment Plant (RWTP) Control Building, such as space reallocation, ADA improvements, and HVAC system rehabilitation.

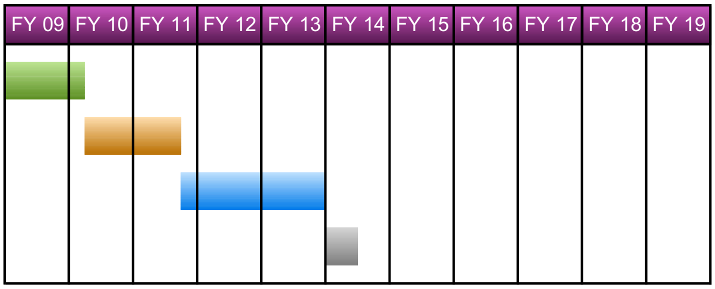
PROJECT LOCATION



SCHEDULE & STATUS

January 2008 to December 2013

Phase	Cost
Plan	1,291
Design	2,897
Construct	11,590
~~Closeout~~	150
	15,928



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	90	937	2,019	2,761	4,993	4,978	150	0	15,928
with inflation	90	937	2,019	3,077	6,034	6,412	184	0	18,753

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	945	3,330	3,248	0	1,848	6,034	6,412	184	0	18,753

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	18,753
Other Funding Source	0
Total	**18,753**

OPERATING COST IMPACTS

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not alter the existing modes of operation. However, seismic retrofit will reduce or avoid strucural damages and reduce the cost of post-earthquake repairs.

USEFUL LIFE: 50+ Years

Project	**PWTP Ammonia System Relocation and Upgrades**
Program	Water Supply – Treatment
Priority No.	59
Project No.	93C40275
District Contact	Dave Chesterman dchesterman@valleywater.org

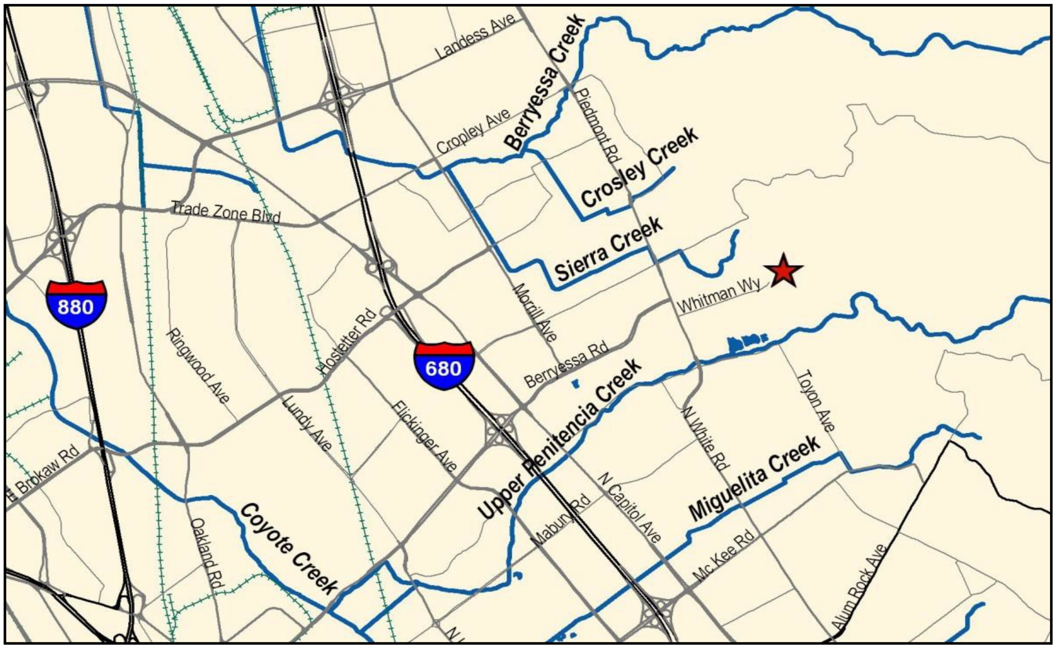
Existing Ammonia Storage Tank at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the ammonia system at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve ability to reliably control the quality of the treated water.

PROJECT LOCATION

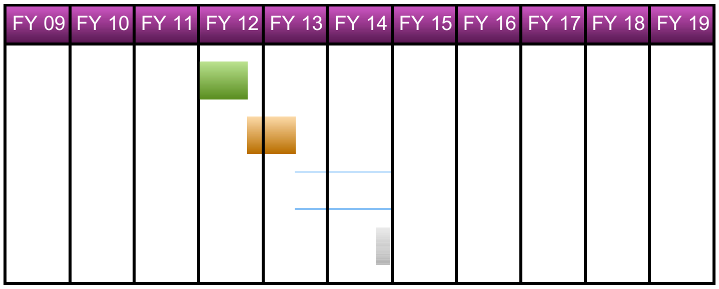


★ Project Location

SCHEDULE & STATUS

July 2011 to June 2014

Phase	Cost
Plan	416
Design	586
Construct	2,582
Closeout	31
	3,615



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Ammonia System Relocation and Upgrades	0	0	0	0	590	2,784	241	0	3,615
with inflation	0	0	0	0	668	3,550	296	0	4,514

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Ammonia System Relocation and Upgrades	0	0	0	0	0	668	3,550	296	0	4,514

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,514
Other Funding Source	0
Total	**4,514**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Concrete – 50 Years; Tank – 30 Years; Feed pumps – 15 years

Project	**PWTP Backwash Pump Replacement**
Program	Water Supply – Treatment
Priority No.	62
Project No.	93234036
District Contact	Dave Chesterman dchesterman@valleywater.org

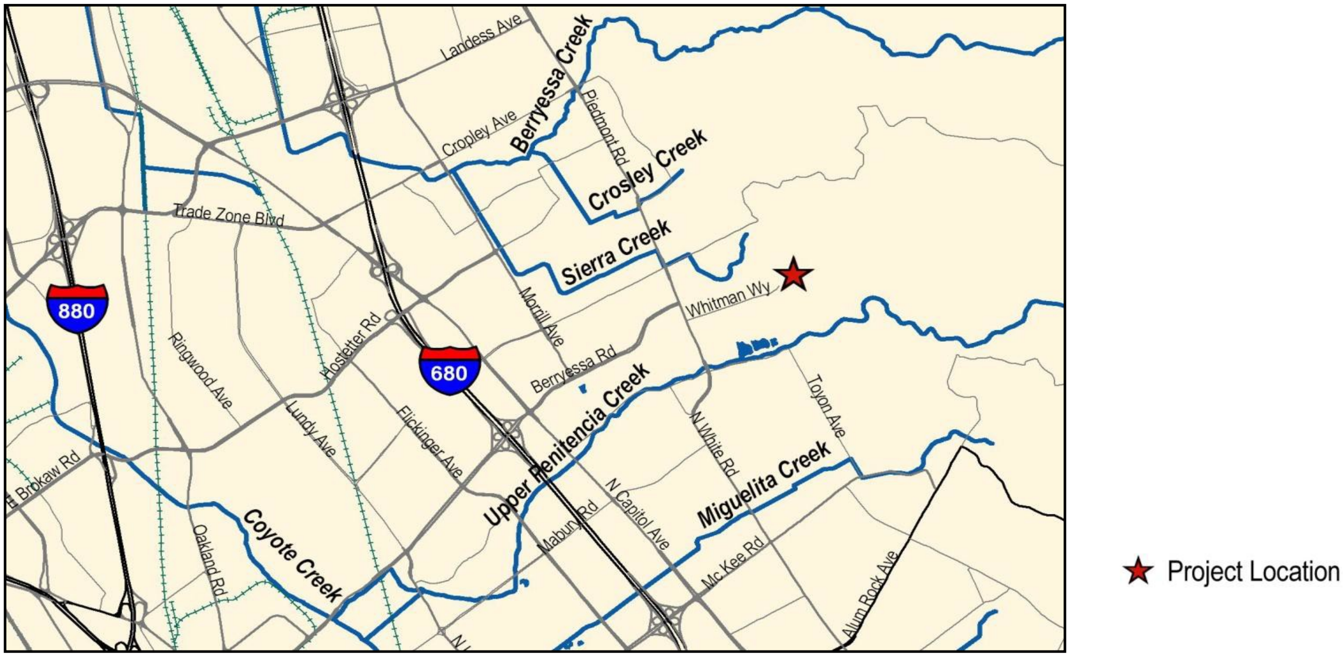
Existing backwash pump at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing Penitencia Water Treatment Plant (PWTP) backwash pump to accomplish the following objectives:

- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to process water PWTP.

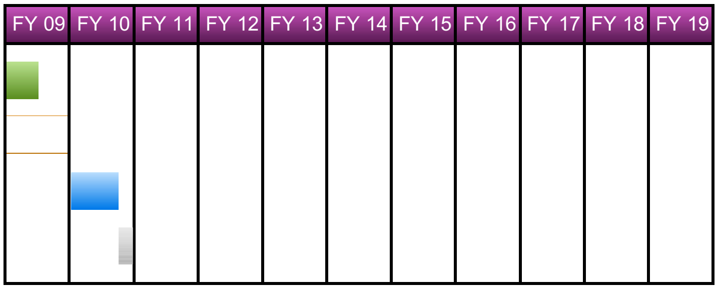
PROJECT LOCATION



SCHEDULE & STATUS

May 2004 to May 2010

Phase	Cost
Plan	221
Design	754
Construct	1,225
~~Closeout~~	25
	2,225



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Backwash Pump Replacement	450	1,431	344	0	0	0	0	0	2,225
with inflation	450	1,431	344	0	0	0	0	0	2,225

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Backwash Pump Replacement	803	1,078	0	344	0	0	0	0	0	2,225

Adjusted Budget includes adopted budget plus a planned budget adjustment of $75,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,225
Other Funding Source	0
Total	**2,225**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. This project will replace the existing backwash pump and motor with a new and more efficient pump and motor. Future operational cost savings are not expected to be significant.

USEFUL LIFE: 40 Years

Project	**PWTP Chemical Systems Upgrade**
Program	Water Supply – Treatment
Priority No.	60
Project No.	93234032
District Contact	Dave Chesterman dchesterman@valleywater.org

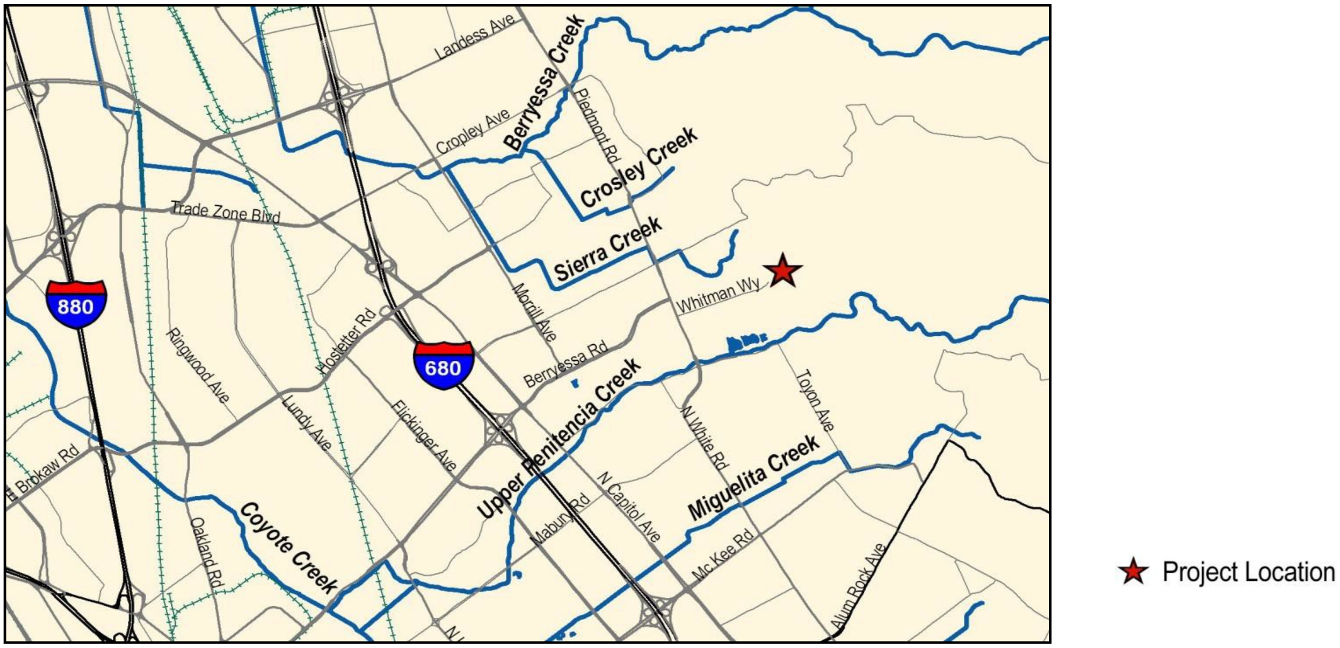
Corrosion Inhibitor Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

- Minimize system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated water from re-entering the plant process systems.
- Prevent release of chemicals from piping systems and avoid soil contamination.

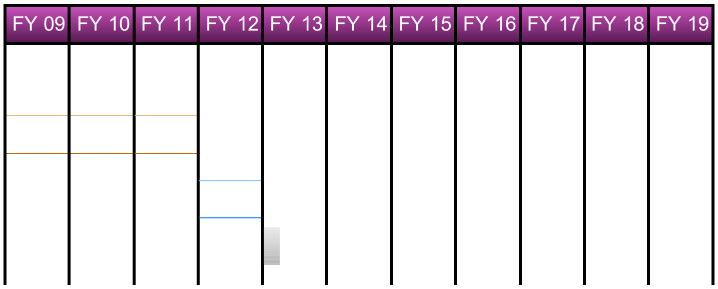
PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to September 2012

Phase	Cost
Plan	432
Design	1,023
Construct	1,431
Closeout	38
	2,924



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Chemical Systems Upgrade	576	6	393	1,741	193	15	0	0	2,924
with inflation	576	6	393	1,961	218	18	0	0	3,172

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Chemical Systems Upgrade	630	721	769	0	1,585	218	18	0	0	3,172

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,172
Other Funding Source	0
Total	**3,172**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2013, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Filter Basin Covers Improvement**
Program	Water Supply – Treatment
Priority No.	32
Project No.	93C40277
District Contact	Dave Chesterman dchesterman@valleywater.org

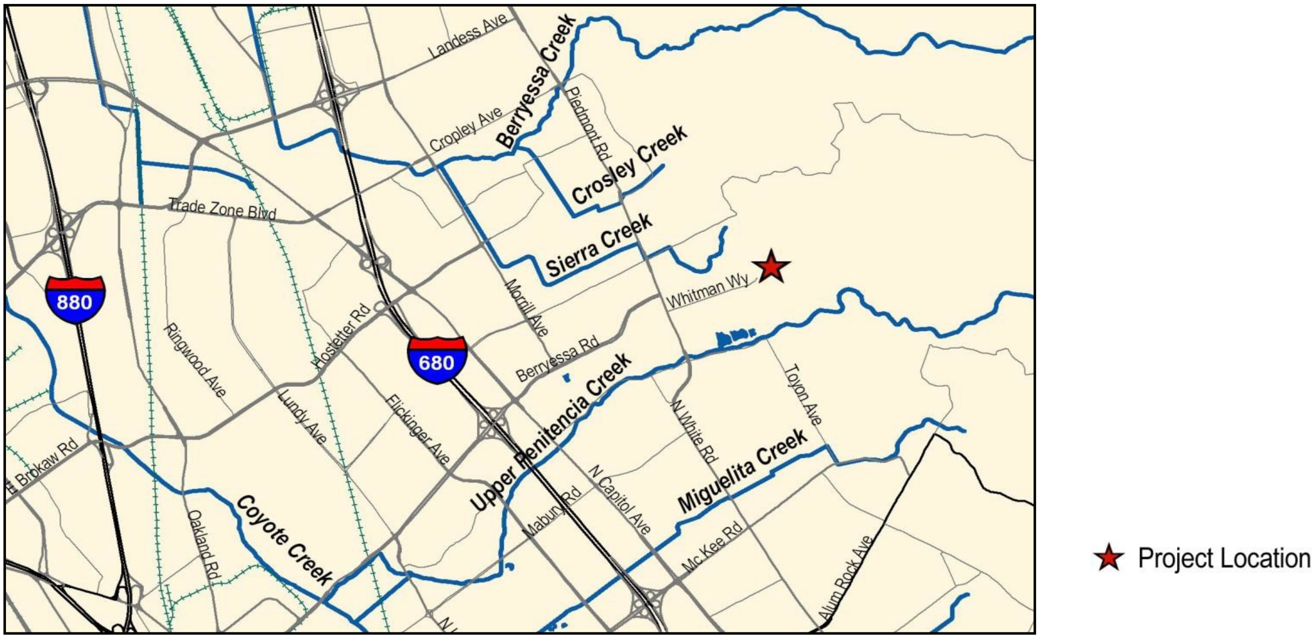
Existing filter basins at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Penitencia Water Treatment Plant (PWTP) filter basins to accomplish the following objectives:

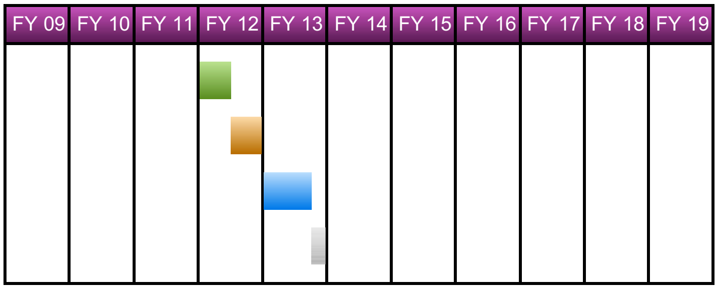
- Reduce algae growth by creating a physical barrier to block the sunlight that algae require to grow.
- Reduce potential for clogging of the filter basins.
- Reduce potential for in-plant taste and odor production.

PROJECT LOCATION



SCHEDULE & STATUS
July 2011 to June 2013

Phase	Cost
Plan	154
Design	221
Construct	482
~~Closeout~~	52
	909



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Filter Basin Covers Improvement	0	0	0	0	346	563	0	0	909
with inflation	0	0	0	0	391	706	0	0	1,098

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Filter Basin Covers Improvement	0	0	0	0	0	391	706	0	0	1,098

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,098
Other Funding Source	0
Total	**1,098**

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 to 20 Years

Project	**PWTP Large Valve Automation**
Program	Water Supply – Treatment
Priority No.	38
Project No.	93C40278
District Contact	Dave Chesterman dchesterman@valleywater.org

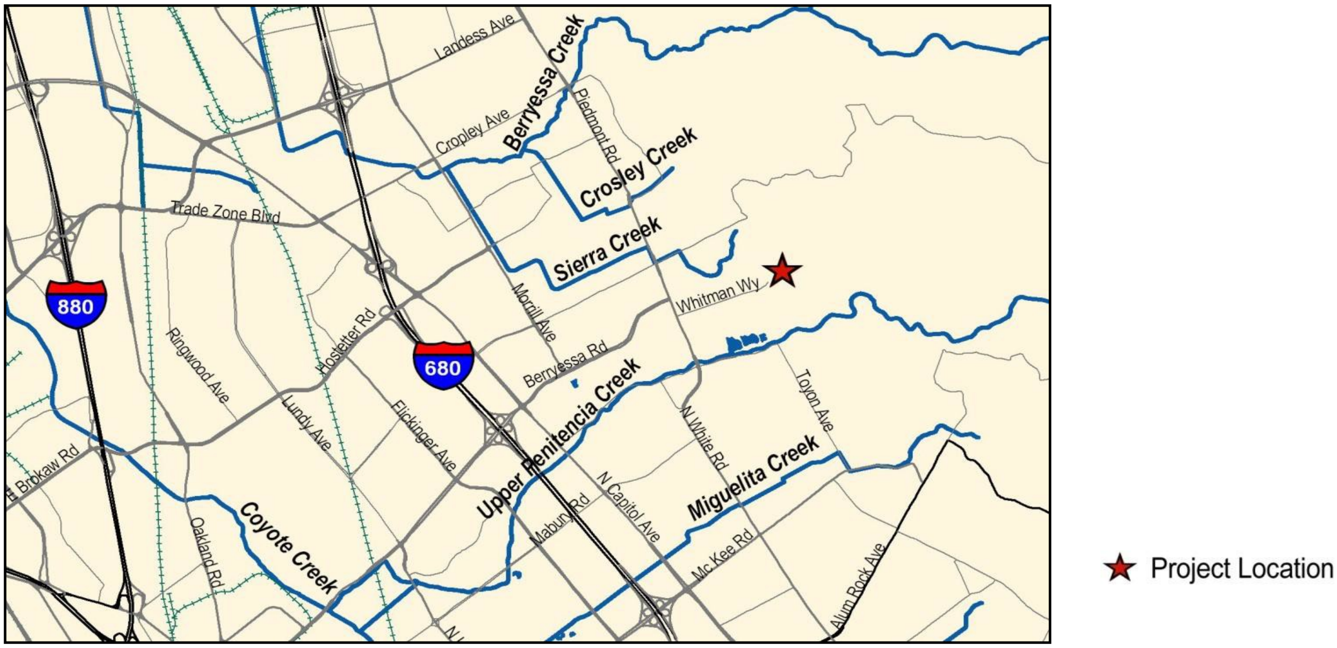
Locally controlled large motor operated valves at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the large valves at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve operational flexibility at PWTP.
- Improve ability to expedite plant shutdown.

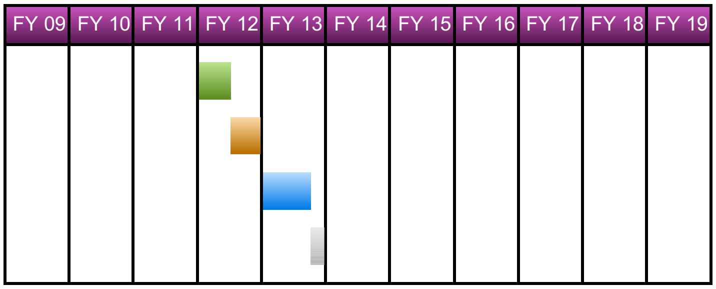
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2013

Phase	Cost
Plan	110
Design	180
Construct	529
~~Closeout~~	24
	843



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Large Valve Automation	0	0	0	0	713	130	0	0	843
with inflation	0	0	0	0	845	153	0	0	998

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Large Valve Automation	0	0	0	0	0	845	153	0	0	998

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	998
Other Funding Source	0
Total	**998**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35-40 Years

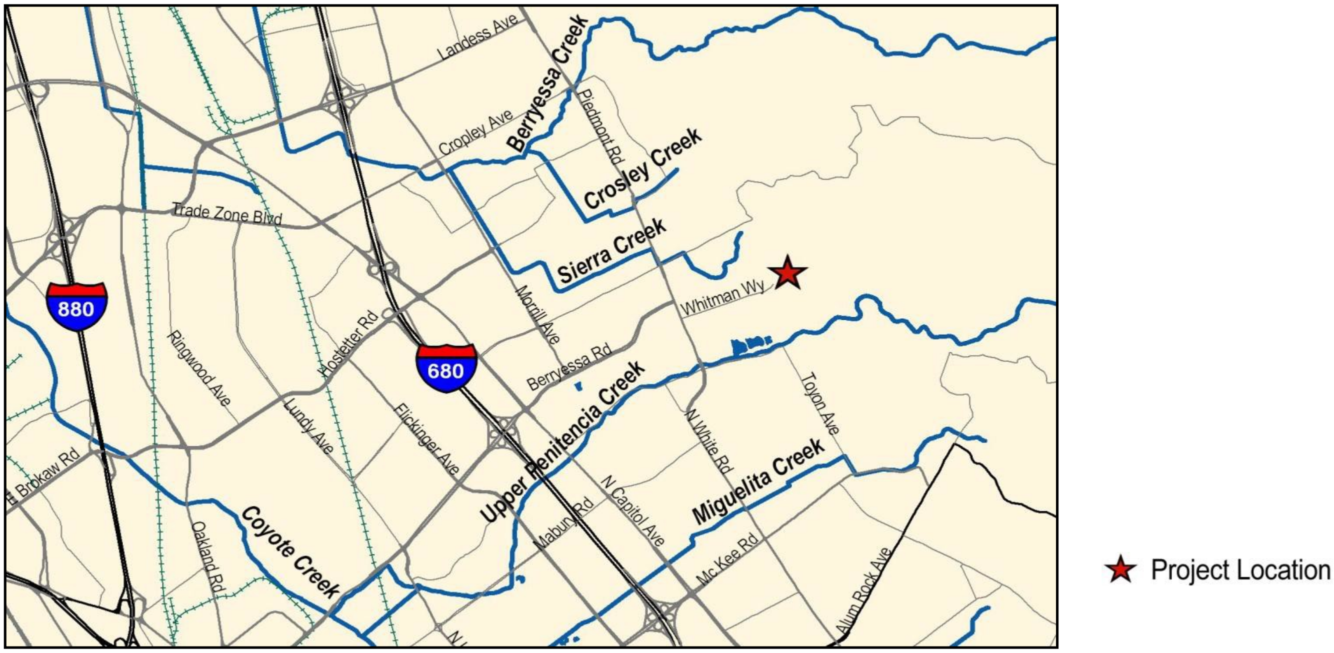
Project	**PWTP Maintenance Building**
Program	Water Supply – Treatment
Priority No.	89
Project No.	93234031
District Contact	Dave Chesterman dchesterman@valleywater.org

Story poles depicting maintenance building to be constructed at PWTP

PROJECT DESCRIPTION

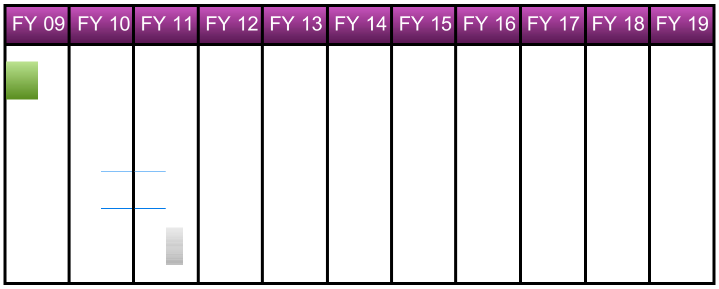
This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant to provide adequate workshop space and storage areas to meet the needs of the maintenance personnel at the plant.

PROJECT LOCATION



SCHEDULE & STATUS
March 2000 to April 2011

Phase	Cost
Plan	1,382
Design	1,177
Construct	4,892
~~Closeout~~	40
	7,491



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Maintenance Building	1,610	950	4,891	40	0	0	0	0	7,491
with inflation	1,610	950	4,891	43	0	0	0	0	7,494

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Maintenance Building	6,549	608	4,597	294	43	0	0	0	0	7,494

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	7,494
Other Funding Source	0
Total	**7,494**

OPERATING COST IMPACTS
Completion of the project is anticipated to increase operating expenditure by $15,000 per year, beginning in FY 2011. The cost of operation of the new building (water, power, etc.) is approximately $1,000 to $2,000 per month. Initially, maintenance costs should be very low.

USEFUL LIFE: 50+ Years

Project	**PWTP Standby Power Upgrade**
Program	Water Supply – Treatment
Priority No.	90
Project No.	93234033
District Contact	Chris Elias celias@valleywater.org

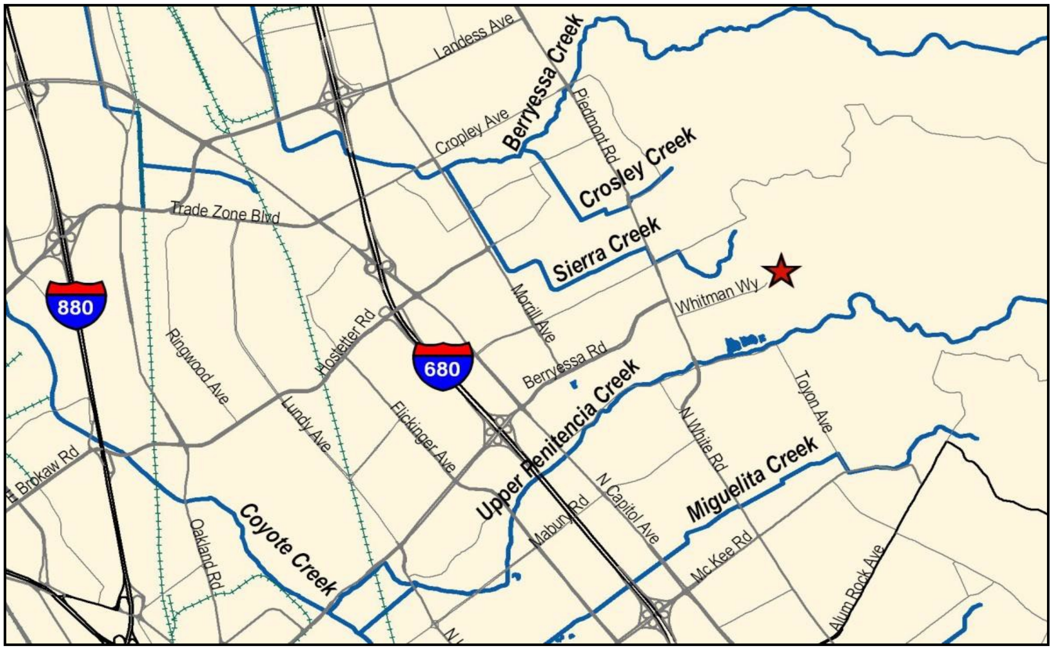
Existing adjustable speed drive (ASD) to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Provide all necessary modification including replacement of the existing standby generator to provide reliable and adequate standby power during utility power loss.
- Meet all code requirements necessary to maintain adequate plant operations and assure reliable water delivery.

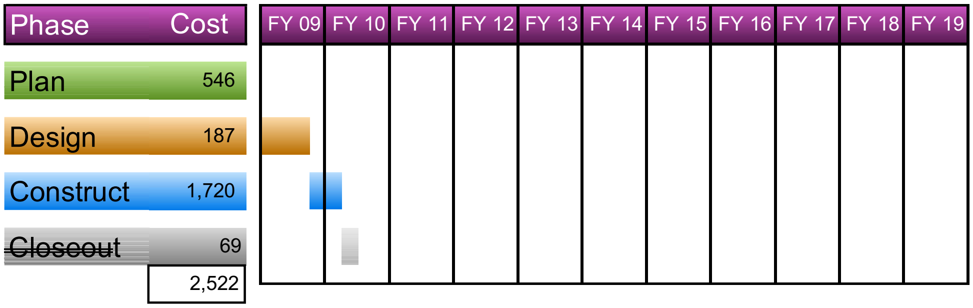
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

January 2003 to December 2009



Phase	Cost
Plan	546
Design	187
Construct	1,720
~~Closeout~~	69
	2,522

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Standby Power Upgrade	900	1,383	239	0	0	0	0	0	2,522
with inflation	900	1,383	239	0	0	0	0	0	2,522

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Standby Power Upgrade	2,336	232	285	0	0	0	0	0	0	2,568

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds expenditures by approximately $46,000. Excess funding will be returned to reserves at the end of the projects.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,568
Other Funding Source	0
Total	**2,568**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2010, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Washwater Clarification Facility**
Program	Water Supply – Treatment
Priority No.	85
Project No.	93C40199
District Contact	Dave Chesterman dchesterman@valleywater.org

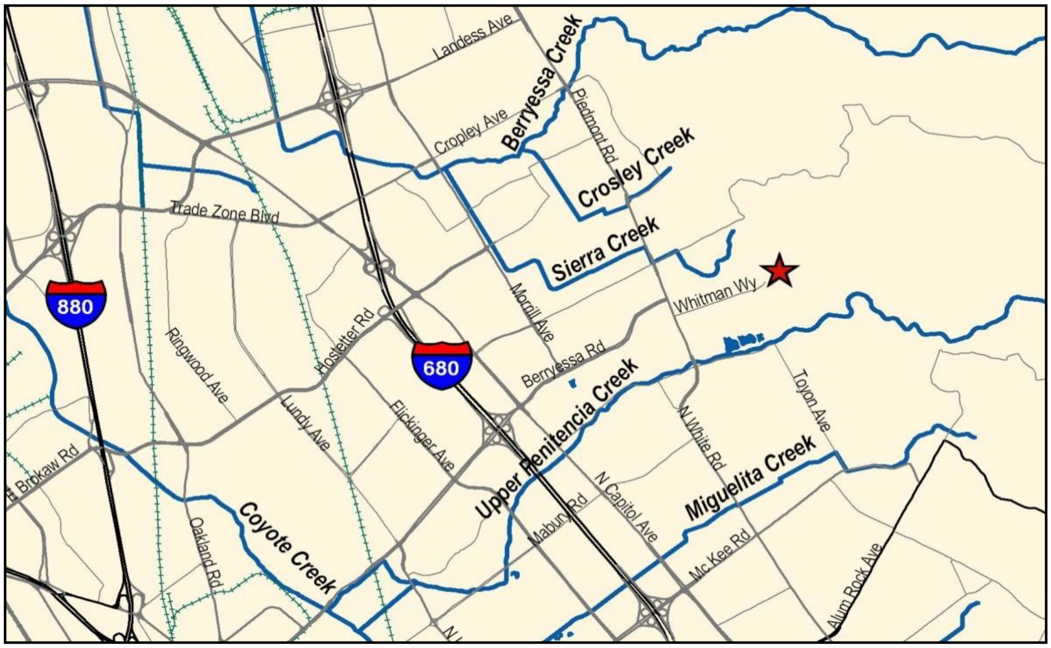
Potential site for new washwater clarification facility in foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) that create a new washwater clarification facility to accomplish the following objectives:

- Improve treated water quality.
- Comply with the Federal Filter Backwash Recycling Rule (FBRR) and the California Cryptosporidium Action Plan

PROJECT LOCATION

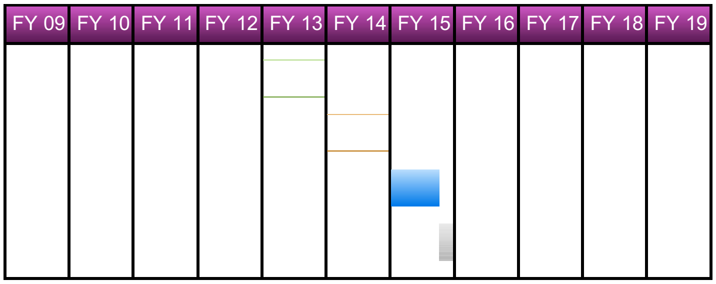


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	431
Design	497
Construct	4,892
~~Closeout~~	23
	5,843



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Washwater Clarification Facility	0	0	0	0	0	431	497	4,915	5,843
with inflation	0	0	0	0	0	508	611	7,354	8,473

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
PWTP Washwater Clarification Facility	0	0	0	0	0	0	508	611	7,354	8,473

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,473
Other Funding Source	0
Total	**8,473**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $50,000 per year beginning in FY 2016, for routine inspections and preventative and maintenance of the new facility.

USEFUL LIFE: Small Pumps – 15 Years; Large Pumps – 35 Years; Chain & Flight System – 20 Years; Structural Elements – 50+ Years

Project	**PWTP Water Pump Modifications**
Program	Water Supply – Treatment
Priority No.	88
Project No.	93234042
District Contact	Dave Chesterman chesterman@valleywater.org

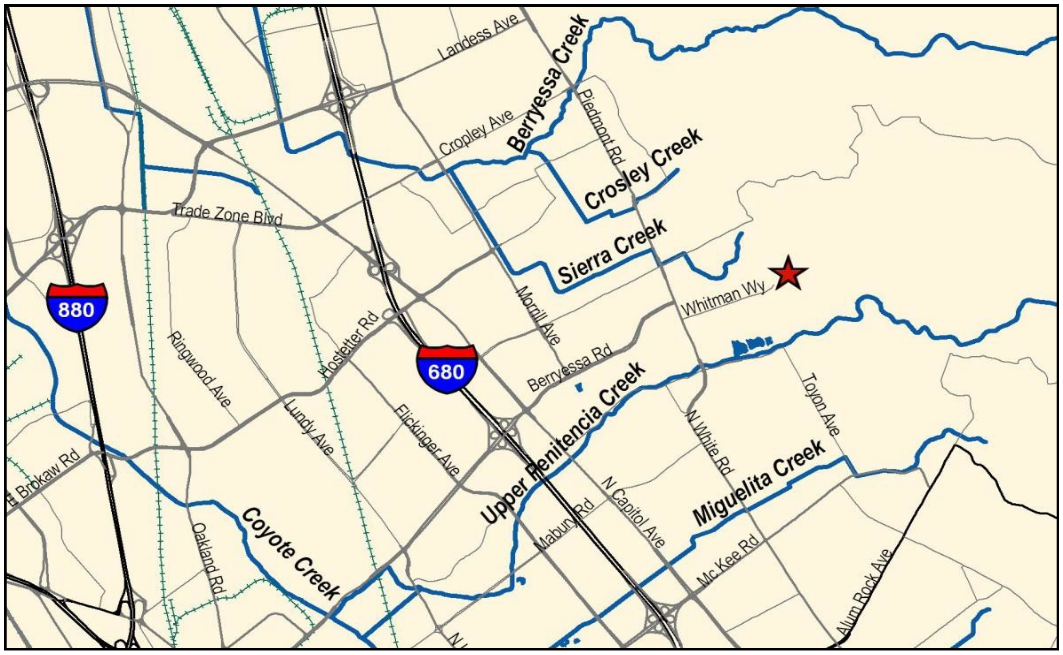
Two plant water pumps and three cooling water pumps supply water used at the Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) pumps to accomplish the following objectives:

- Increase operating capacity of the plant water pumps.
- Increase operating capacity of the cooling water pumps
- Meet plant water demands.
- Improve operational reliability.

PROJECT LOCATION

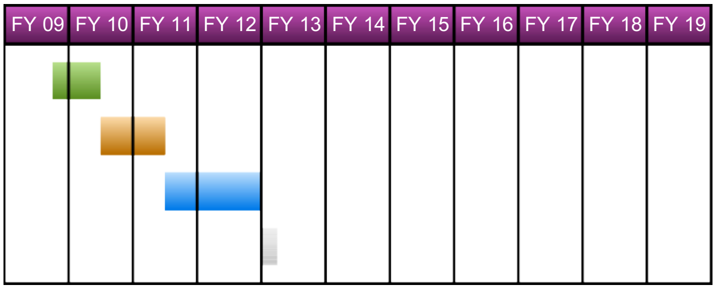


★ Project Location

SCHEDULE & STATUS

July 2008 to August 2012

Phase	Cost
Plan	308
Design	580
Construct	2,333
~~Closeout~~	84
	3,305



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
PWTP Water Pump Modifications	0	108	490	2,153	494	60	0	0	3,305
with inflation	0	108	490	2,446	559	71	0	0	3,673

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
PWTP Water Pump Modifications	0	162	54	436	2,446	559	71	0	0	3,673

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,673
Other Funding Source	0
Total	**3,673**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30 Years

Project	**RWTP Chemical System Upgrade**
Program	Water Supply – Treatment
Priority No.	62
Project No.	93294029
District Contact	Dave Chesterman dchesterman@valleywater.org

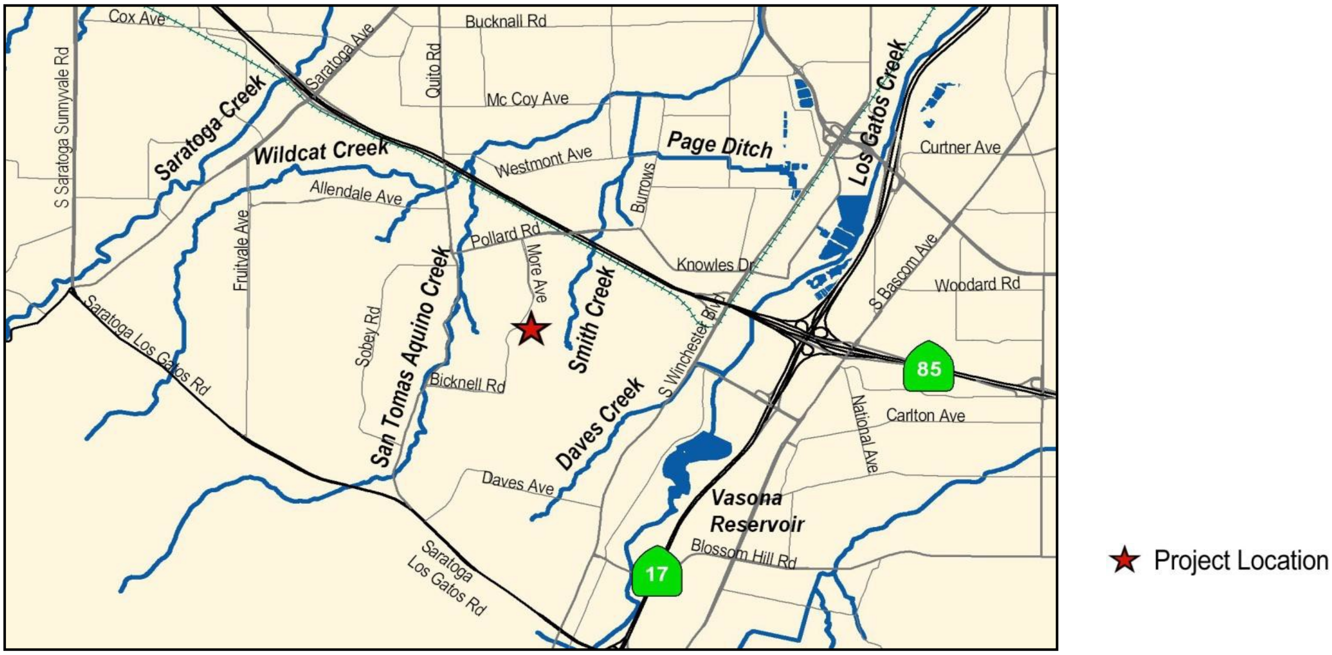
The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the phosphoric and caustic facilities, plant effluent flow meter, and backwash pump adjustable speed drive at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve plant reliability.
- Ensure compliance with the Lead and Copper Rule.

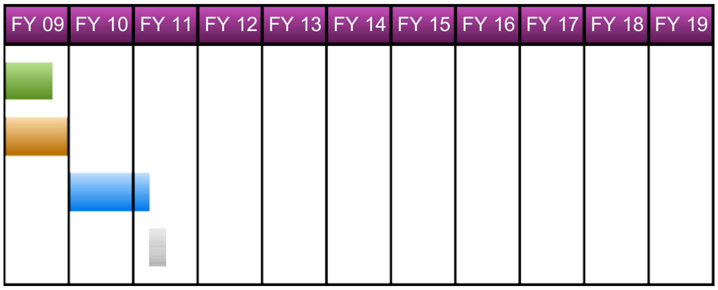
PROJECT LOCATION



SCHEDULE & STATUS

October 2002 to December 2010

Phase	Cost
Plan	684
Design	993
Construct	4,221
~~Closeout~~	50
	5,948



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Chemical System Upgrade	858	3,920	990	180	0	0	0	0	5,948
with inflation	858	3,920	990	195	0	0	0	0	5,963

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Chemical System Upgrade	3,289	2,476	987	3	195	0	0	0	0	5,963

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,963
Other Funding Source	0
Total	**5,963**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Tanks – 20 Years. Flow Meter, Mechanical and Electrical Equipment – 15 Years.

Project	**RWTP Filter Polymer System Improvement**
Program	Water Supply – Transmission
Priority No.	89
Project No.	93C40280
District Contact	Dave Chesterman dchesterman@valleywater.org

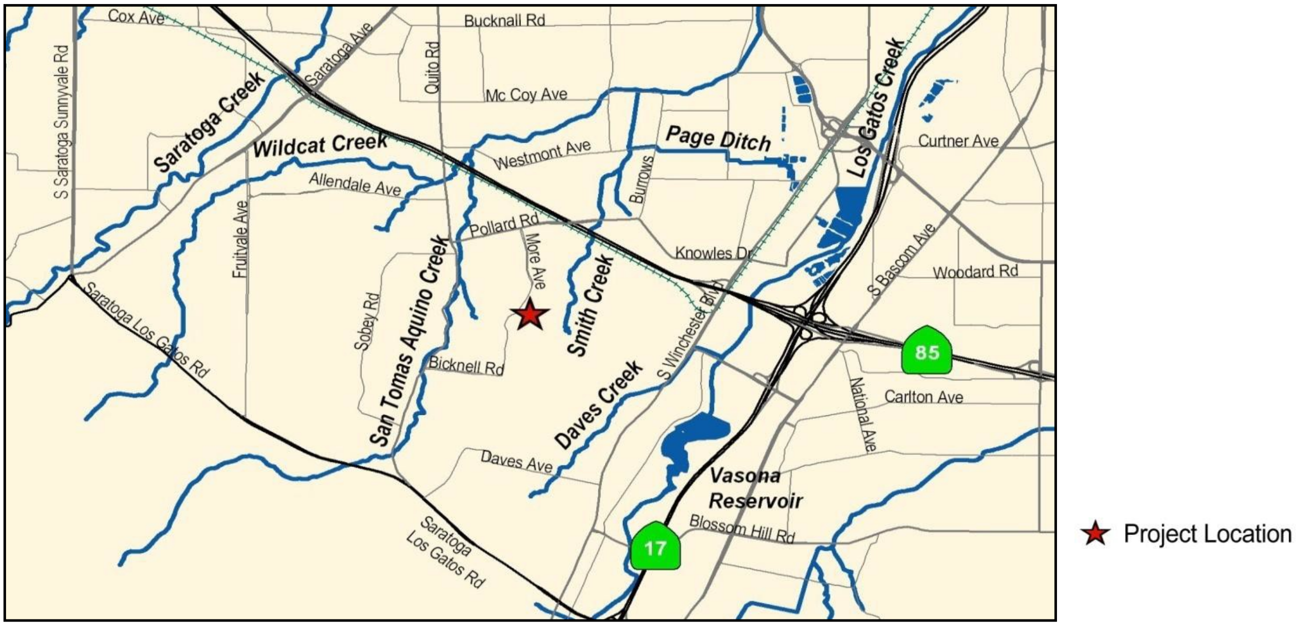
The existing filter polymer feed and storage system will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Rinconada Water Treatment Plant (RWTP) filter polymer feed system to accomplish the following objectives:

- Improve plant reliability and operability.
- Extend the useful life of Rinconada Water Treatment Plant.

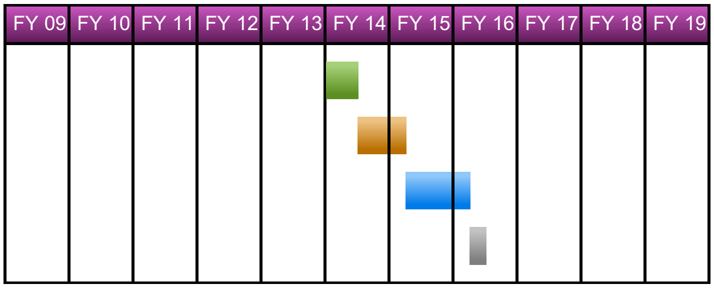
PROJECT LOCATION



SCHEDULE & STATUS

July 2013 to December 2015

Phase	Cost
Plan	62
Design	218
Construct	870
Closeout	21
	1,171



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
RWTP Filter Polymer System Improvement	0	0	0	0	0	0	187	984	1,171
with inflation	0	0	0	0	0	0	230	1,264	1,494

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
RWTP Filter Polymer System Improvement	0	0	0	0	0	0	0	230	1,264	1,494

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,494
Other Funding Source	0
Total	1,494

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Chemical Storage Structure & Pump Valves Upgrade**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93294056
District Contact	Dave Chesterman dchesterman@valleywater.org

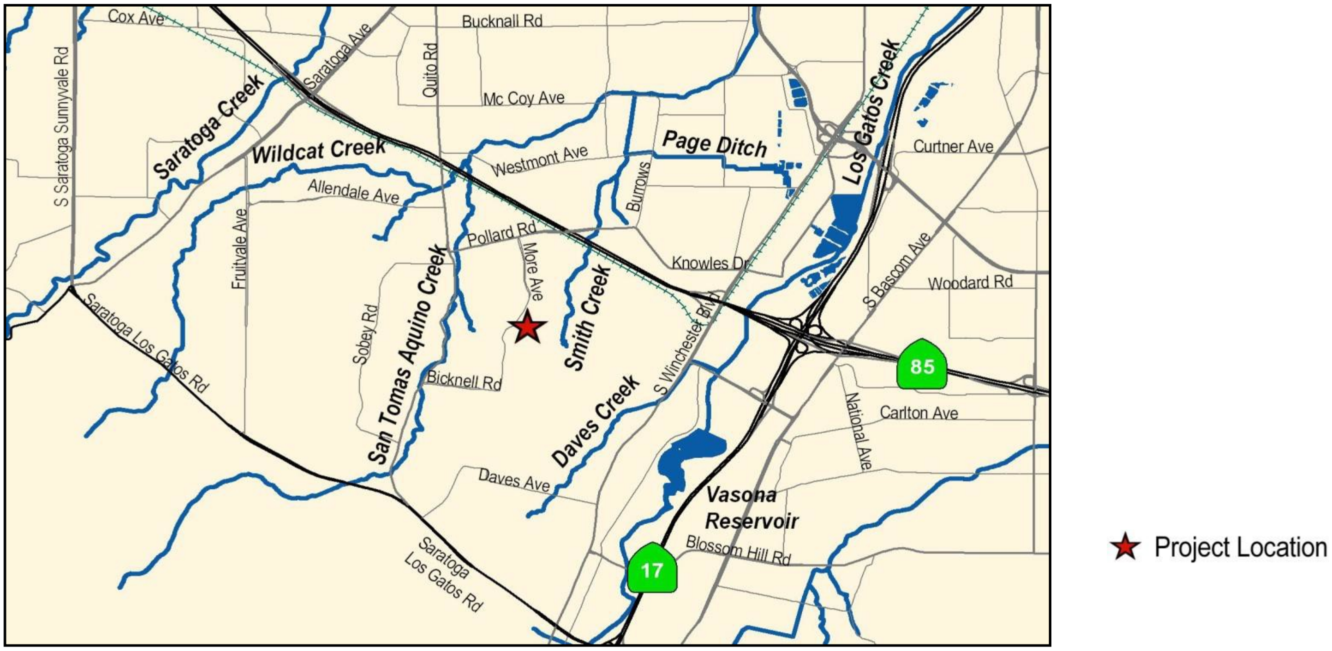
This structure, housing the chemical storage tanks at RWTP, will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) chemical storage structure and main pump system valves and actuators, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Ensure plant operational reliability be improving seismic performance of the existing chemical storage structures.
- Improve ability to maintain RWTP.
- Provide more reliable and watertight isolation of these valves from future work areas.

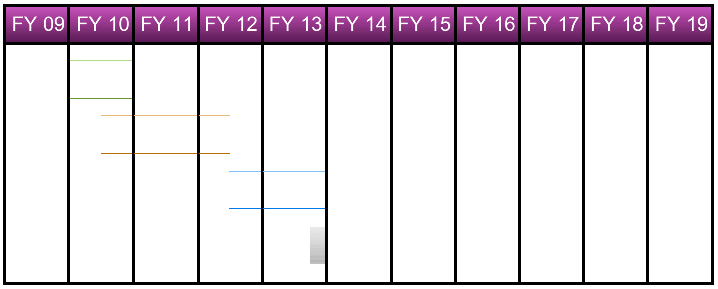
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to March 2013

Phase	Cost
Plan	200
Design	840
Construct	3,710
~~Closeout~~	70
	4,820



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	0	0	307	643	3,570	300	0	0	4,820
with inflation	0	0	307	698	4,292	354	0	0	5,651

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	0	0	0	307	698	4,292	354	0	0	5,651

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,651
Other Funding Source	0
Total	**5,651**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: 40 Years

Project	**RWTP FRP Clarifier Rehabilitation**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93294050
District Contact	Dave Chesterman dchesterman@valleywater.org

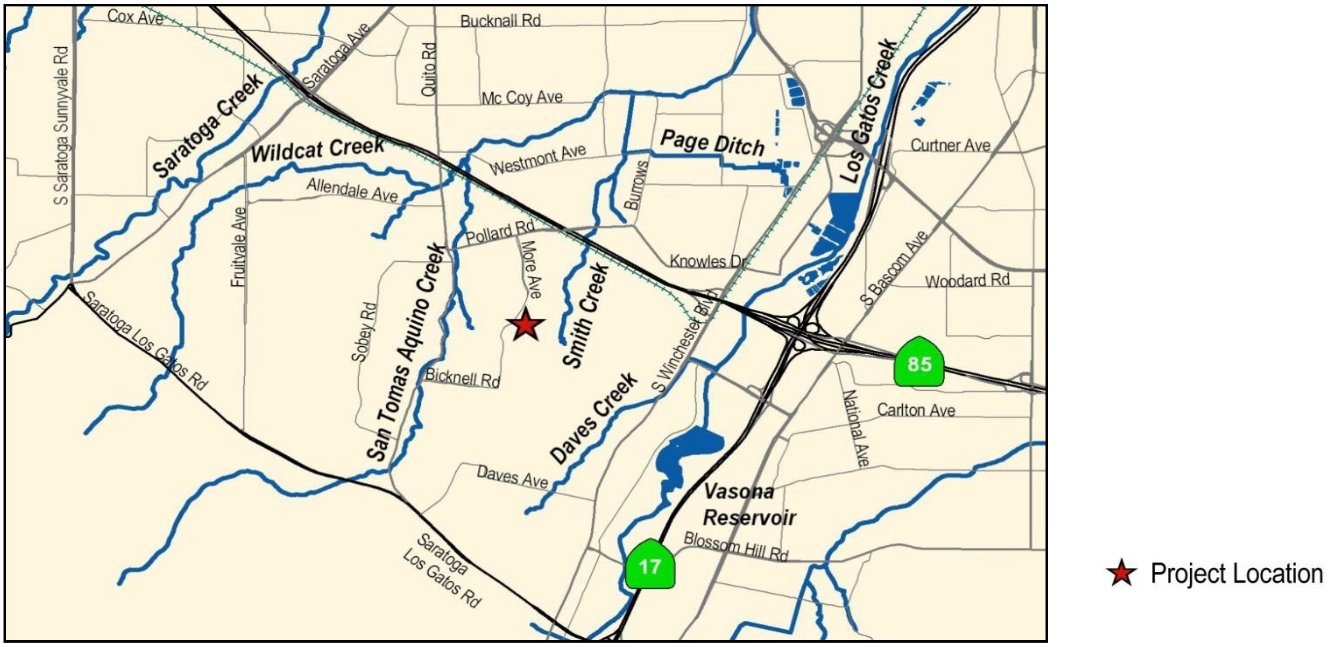
The existing clarifier mechanism will be replaced to improve operational reliability.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) in accordance with the Facility Renewal Program (FRP) to replace the 40-year-old clarification equipment, which is overdue for complete overhaul and replacement, to accomplish the following objectives:

- Extend the useful life of the water treatment plant.
- Increase reliability.

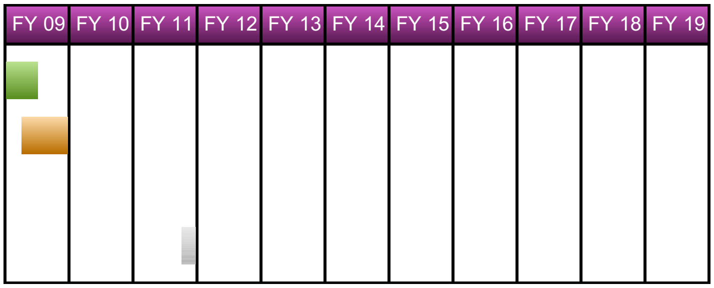
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2011

Phase	Cost
Plan	270
Design	520
Construct	7,580
~~Closeout~~	60
	8,430



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Clarifier Rehabilitation	0	440	7,390	600	0	0	0	0	8,430
with inflation	0	440	7,390	651	0	0	0	0	8,481

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Clarifier Rehabilitation	0	14,308	13,868	0	0	0	0	0	0	14,308

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $5,827,000 more than planned expenditures. The majority of unspent funding will be returned to reserves at the end of FY 2009.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	14,308
Other Funding Source	0
Total	**14,308**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Computer Room Retrofit**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93294053
District Contact	Dave Chesterman dchesterman@valleywater.org

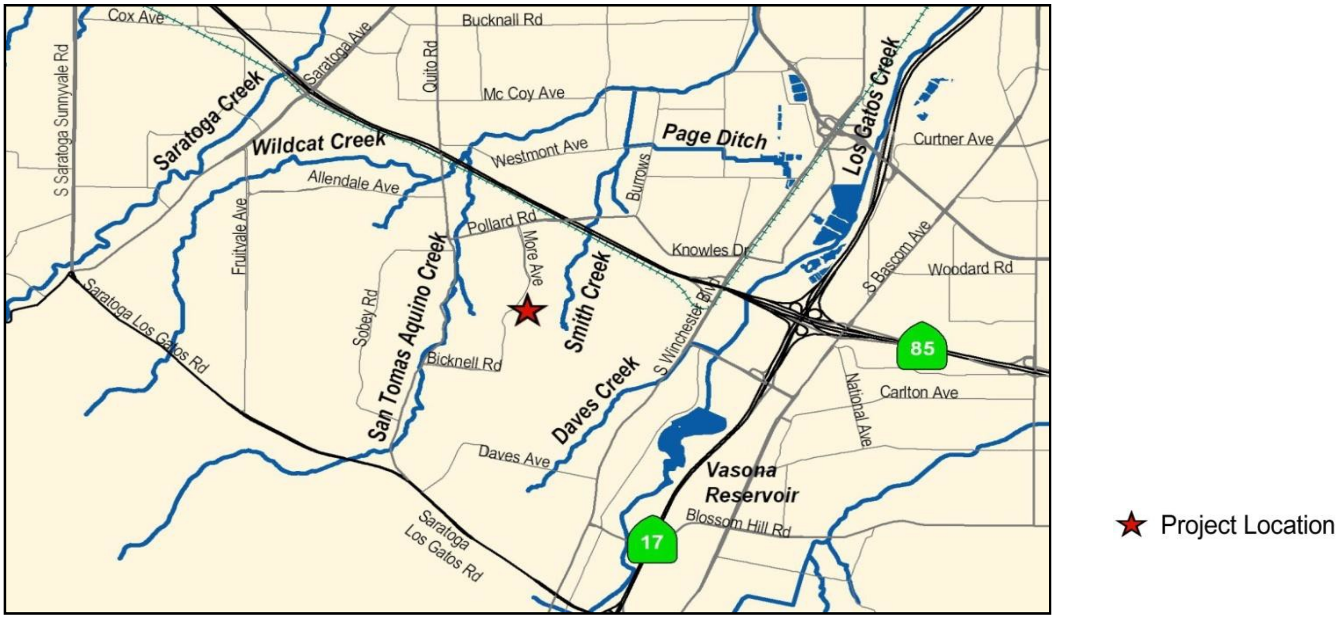
The RWTP computer room will be seismically retrofitted to prevent failure after a seismic event.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) computer room, consistent with the Facility Renewal Program (FRP) and Portfolio 2 of the Infrastructure Reliability Project (IRP2) to accomplish the following objectives:

- Prevent failure of vital equipment after a seismic event.
- Improve reliability of the computer systems to monitor and control treatment and distribution facilities.

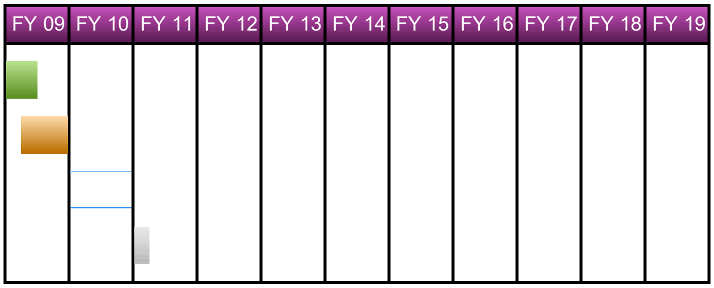
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to September 2010

Phase	Cost
Plan	62
Design	262
Construct	1,102
~~Closeout~~	35
	1,461



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Computer Room Retrofit	0	154	992	315	0	0	0	0	1,461
with inflation	0	154	992	342	0	0	0	0	1,488

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Computer Room Retrofit	0	154	0	992	342	0	0	0	0	1,488

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,488
Other Funding Source	0
Total	**1,488**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Heating, Ventillation and Air Conditioning – 15 Years; Uninterrupted Power Supply – 10 Years

Project	**RWTP FRP Filtration System Improvement**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93C40268
District Contact	Dave Chesterman dchesterman@valleywater.org

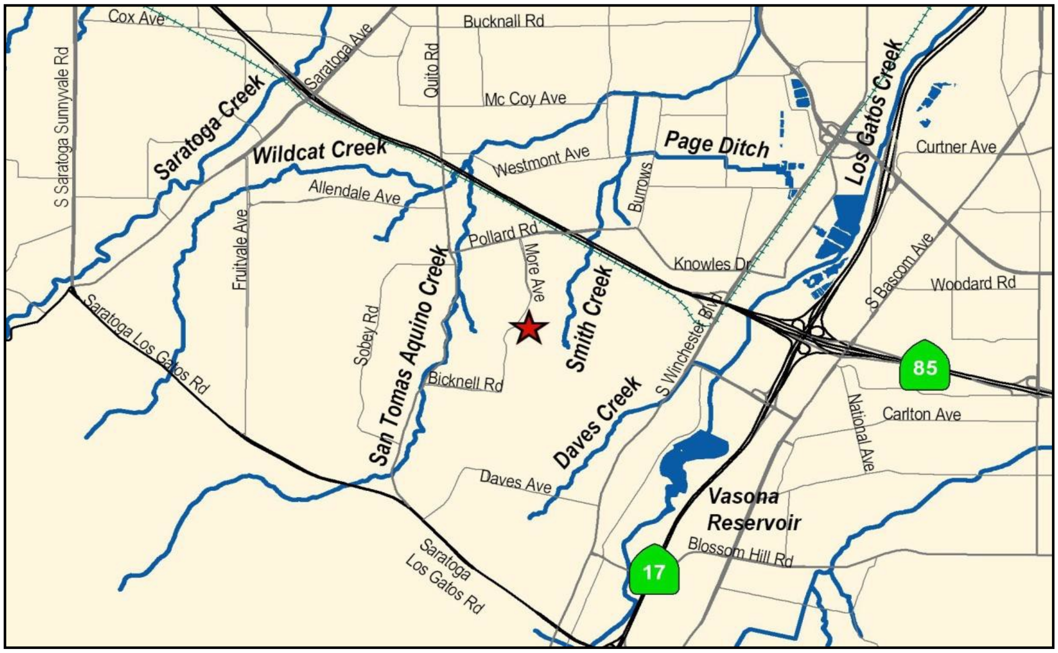
The filters at RWTP will undergo seismic upgrades and receive new filter media.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) filtration system, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Improve filter operation.
- Avoid water quality violation.

PROJECT LOCATION

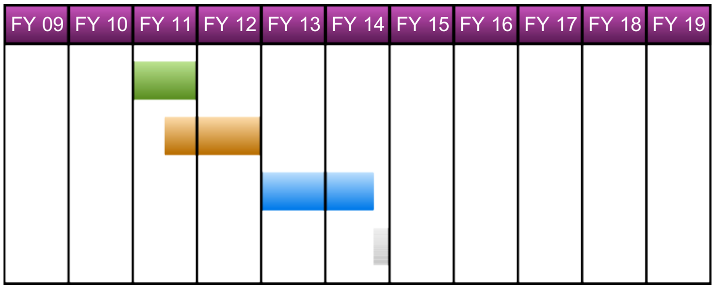


★ Project Location

SCHEDULE & STATUS

July 2010 to June 2014

Phase	Cost
Plan	1,059
Design	830
Construct	6,424
~~Closeout~~	52
	8,365



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Filtration System Improvement	0	0	0	1,059	5,645	1,142	519	0	8,365
with inflation	0	0	0	1,150	6,838	1,346	638	0	9,971

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Filtration System Improvement	0	0	0	0	1,150	6,838	1,346	638	0	9,971

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,971
Other Funding Source	0
Total	**9,971**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Media – 20 Years; Valves – 35 Years

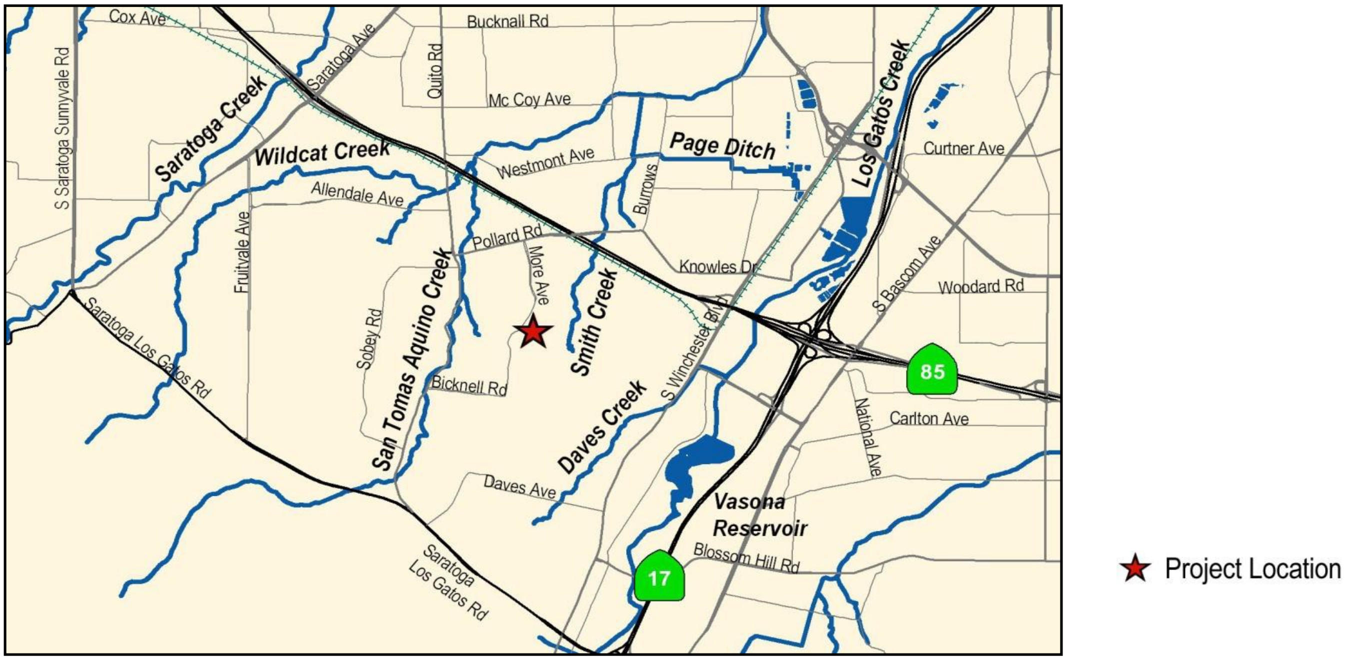
Project	**RWTP FRP Primary Electrical System Improvement**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93294054
District Contact	David Chesterman dchesterman@valleywater.org

The RWTP's main electrical equipment will be replaced and upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) primary electrical equipment; including main transformers, switches, breakers and electrical panels, pump system valves, and actuators; consistent with the Facility Renewal Program (FRP) to improve reliability by avoiding unplanned plant shutdown due to failures of the primary electrical equipment.

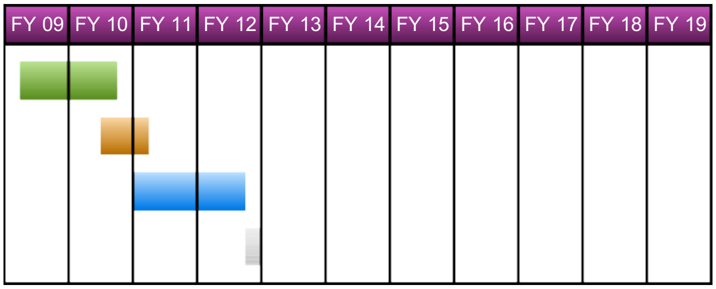
PROJECT LOCATION



SCHEDULE & STATUS

September 2008 to June 2012

Phase	Cost
Plan	310
Design	948
Construct	7,520
~~Closeout~~	80
	8,858



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Primary Electrical System Improvement	0	878	267	7,113	600	0	0	0	8,858
with inflation	0	878	267	8,069	679	0	0	0	9,893

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Primary Electrical System Improvement	0	898	20	247	8,069	679	0	0	0	9,893

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,893
Other Funding Source	0
Total	**9,893**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Residuals Management**
Program	Water Supply – Treatment
Priority No.	99
Project No.	93294051
District Contact	Dave Chesterman dchesterman@valleywater.org

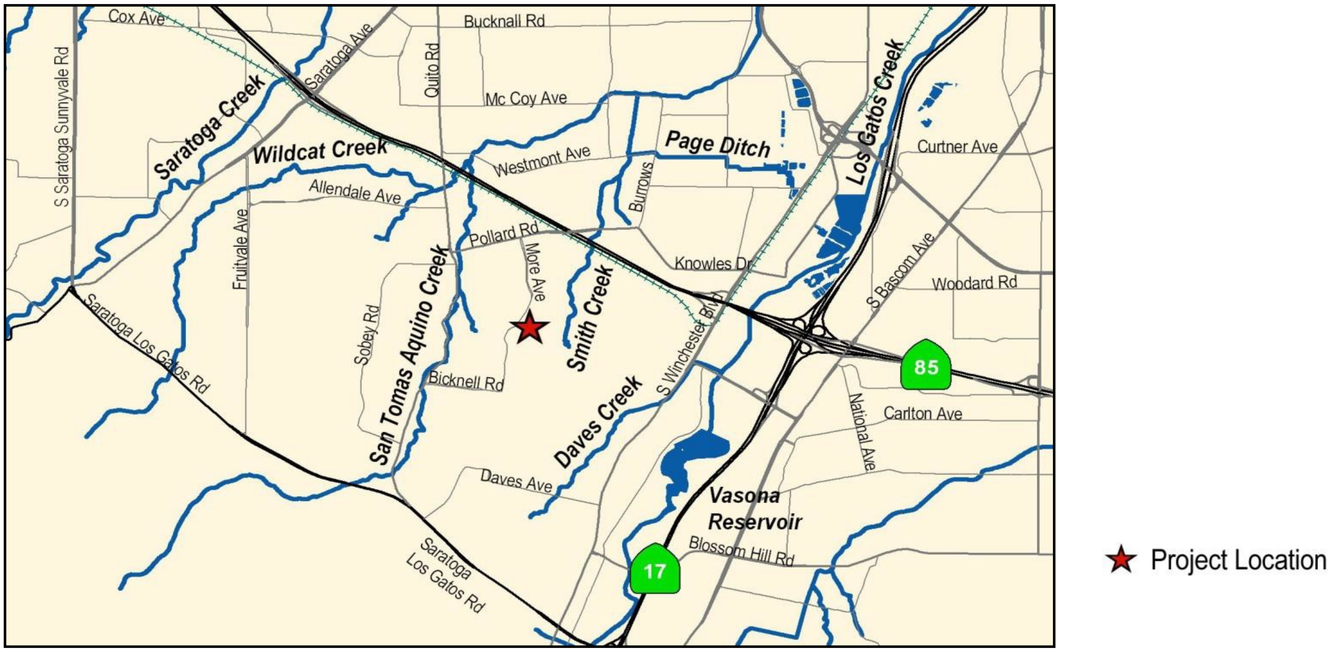
RWTP washwater recovery basins will be retrofitted.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) residuals management processes, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Extend the useful life of the treatment plant.
- Improve the efficiency of the residual management processes.
- Minimize risk of discharge violations.
- Improve the reliability of RWTP.

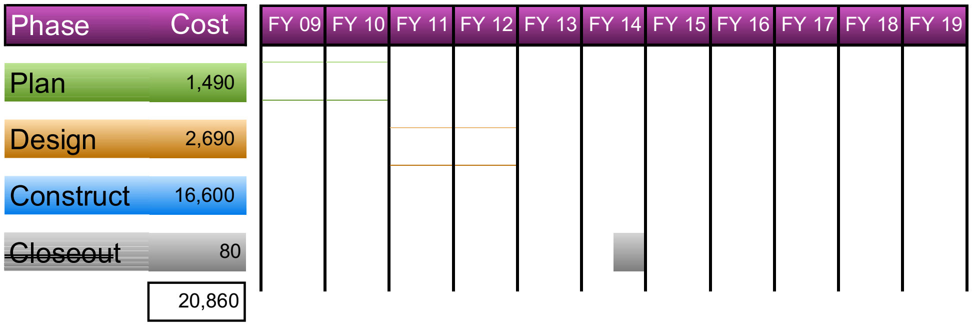
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2014

Design and Construction Phases overlap due to a phased approach to managing the project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Residuals Management	0	1,130	1,718	742	10,740	6,050	480	0	20,860
with inflation	0	1,130	1,718	806	12,966	7,831	590	0	25,041

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Residuals Management	0	1,173	43	1,675	806	12,966	7,831	590	0	25,041

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	25,041
Other Funding Source	0
Total	**25,041**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Mechanical Equipment – 15 Years; Electrical Equipment – 10 Years

Project	**RWTP FRP Site Improvement**
Program	Water Supply – Treatment
Priority No.	83
Project No.	93294055
District Contact	Dave Chesterman dchesterman@valleywater.org

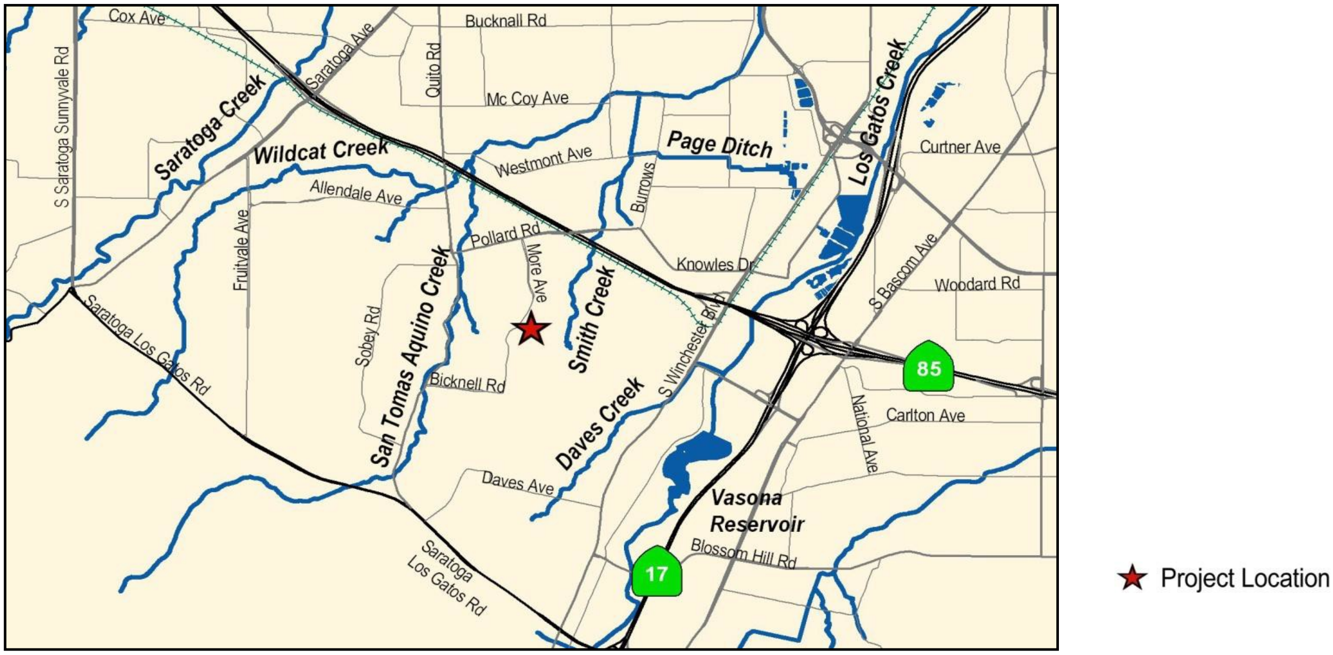
The clearwells at RWTP will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) clearwells, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Improve the reliability of the RWTP by avoiding unplanned plant shutdown due to failures of the clearwells.
- Minimize adverse impacts from failed roadways.
- Satisfy security requirements for the main gates.

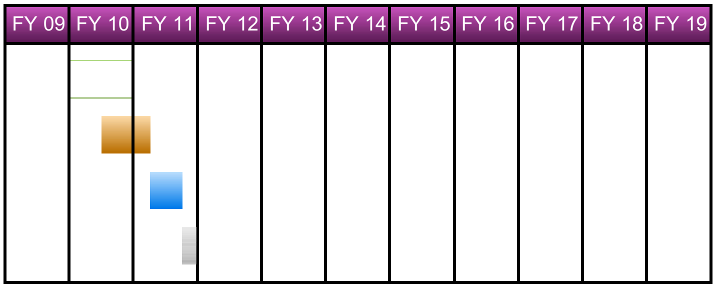
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2011

Phase	Cost
Plan	50
Design	194
Construct	740
~~Closeout~~	10
	994



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Site Improvement	0	0	214	780	0	0	0	0	994
with inflation	0	0	214	876	0	0	0	0	1,090

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP FRP Site Improvement	0	0	0	214	876	0	0	0	0	1,090

FUNDING SOURCES

(in thousands $)

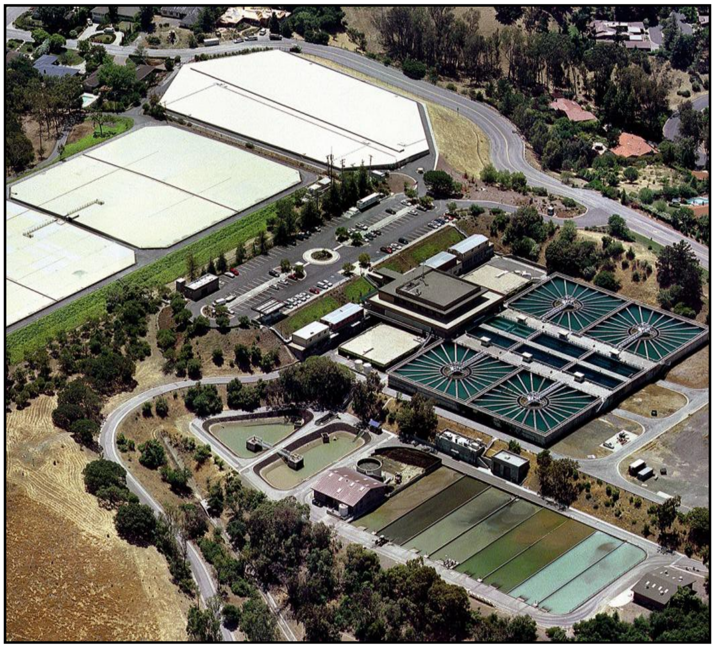
SCVWD Water Utility Enterprise Fund	1,090
Other Funding Source	0
Total	**1,090**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Roadways & Gates – 30 Years

Project	**RWTP Reliability Improvement**
Program	Water Supply – Treatment
Priority No.	77
Project No.	93C40284
District Contact	Dave Chesterman dchesterman@valleywater.org



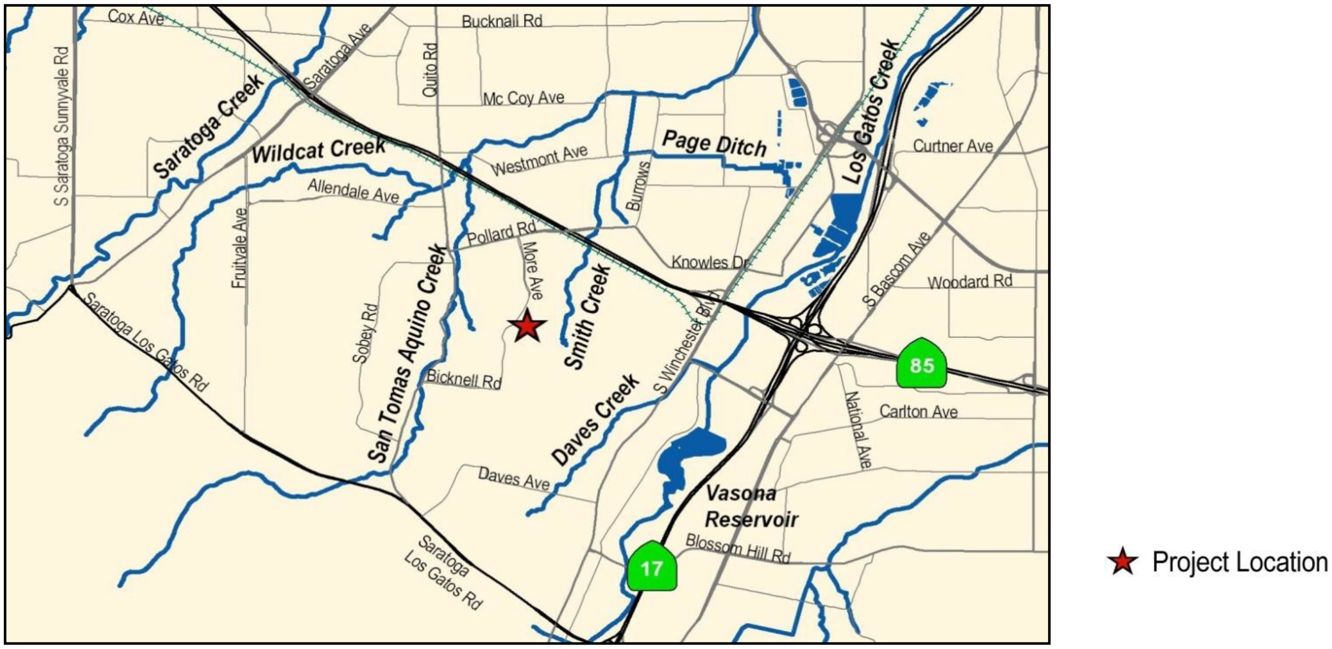
Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve service factors by increasing the plant capacity to 100 million gallons a day.
- Provide for taste and odor control improvement, reduction of filter loading by addition or modification of filters, and washwater clarification.

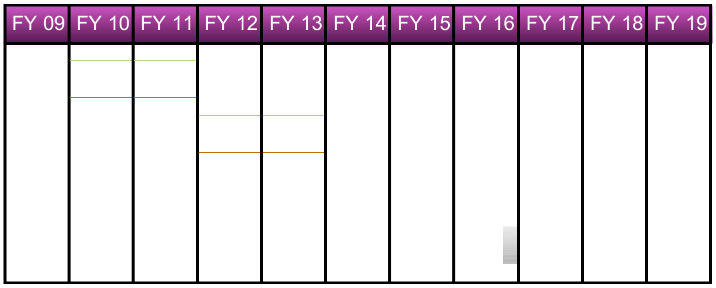
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2016

Phase	Cost
Plan	3,667
Design	8,720
Construct	87,557
~~Closeout~~	208
	100,152



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Reliability Improvement	0	0	2,110	1,557	4,775	3,945	35,562	52,203	100,152
with inflation	0	0	2,110	1,691	5,402	4,651	48,883	78,379	141,116

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Reliability Improvement	0	0	0	2,110	1,691	5,402	4,651	48,883	78,379	141,116

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	141,116
Other Funding Source	0
Total	**141,116**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY 2016. Increases are for routine maintenance and operation of new equipment.

USEFUL LIFE: Media – 20 Years; Structures – 50 Years; Equipment – 15 Years

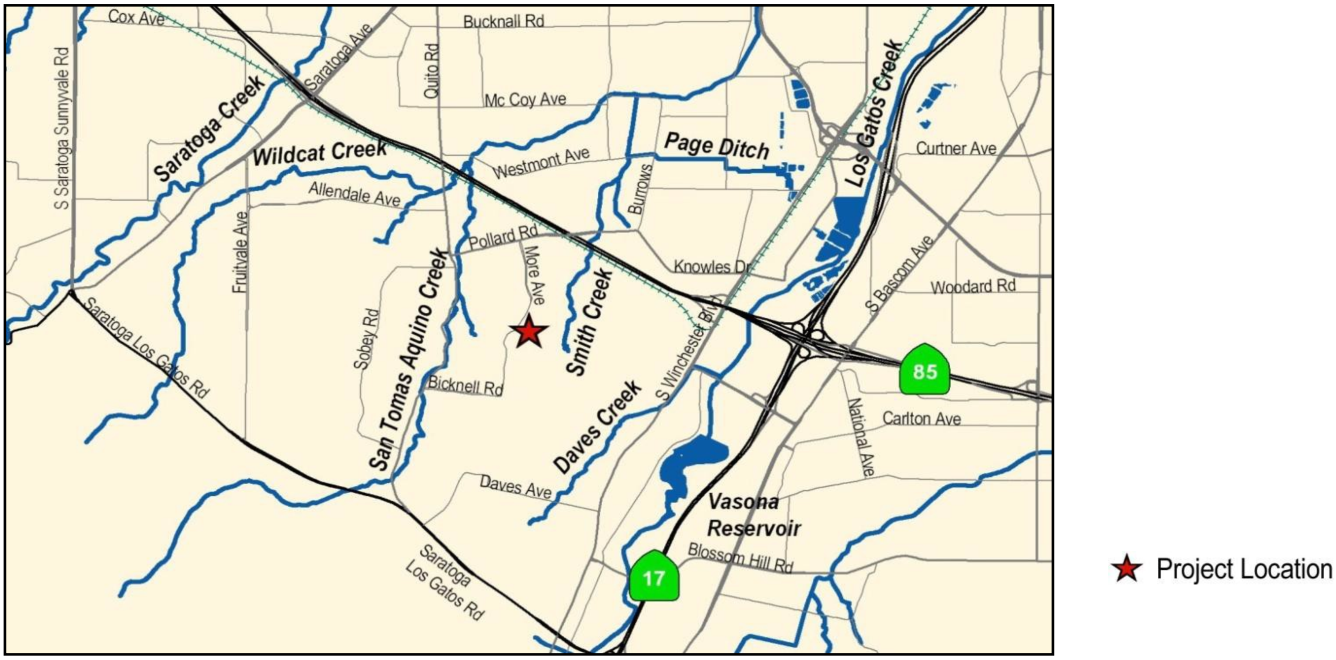
Project	**RWTP Valve Replacements**
Program	Water Supply – Treatment
Priority No.	57
Project No.	93294045
District Contact	Dave Chesterman dchesterman@valleywater.org

Existing filter gallery valve and actuator to be replaced

PROJECT DESCRIPTION

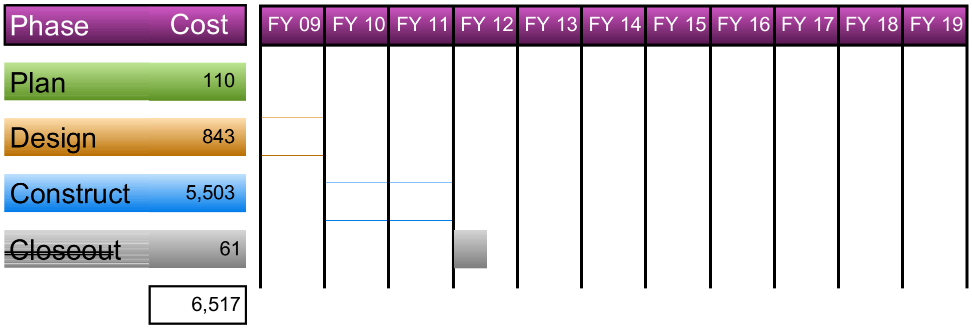
This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP), including the replacement of valves and actuators and installation of new isolation valves to improve plant operational reliability and maintenance activities.

PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to December 2011



Phase	Cost
Plan	110
Design	843
Construct	5,503
Closeout	61
	6,517

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Valve Replacements	856	4,060	1,021	580	0	0	0	0	6,517
with inflation	856	4,060	1,021	630	0	0	0	0	6,567

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
RWTP Valve Replacements	4,847	958	889	132	630	0	0	0	0	6,567

Adjusted Budget includes adopted budget approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,567
Other Funding Source	0
Total	**6,567**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Valves – 30 Years. Actuators and Flow Meter – 20 Years.

Project	**Small Capital Improvements, Water Treatment**
Program	Water Supply – Treatment
Priority No.	48
Project No.	93764004
District Contact	Ray Yep ryep@valleywater.org

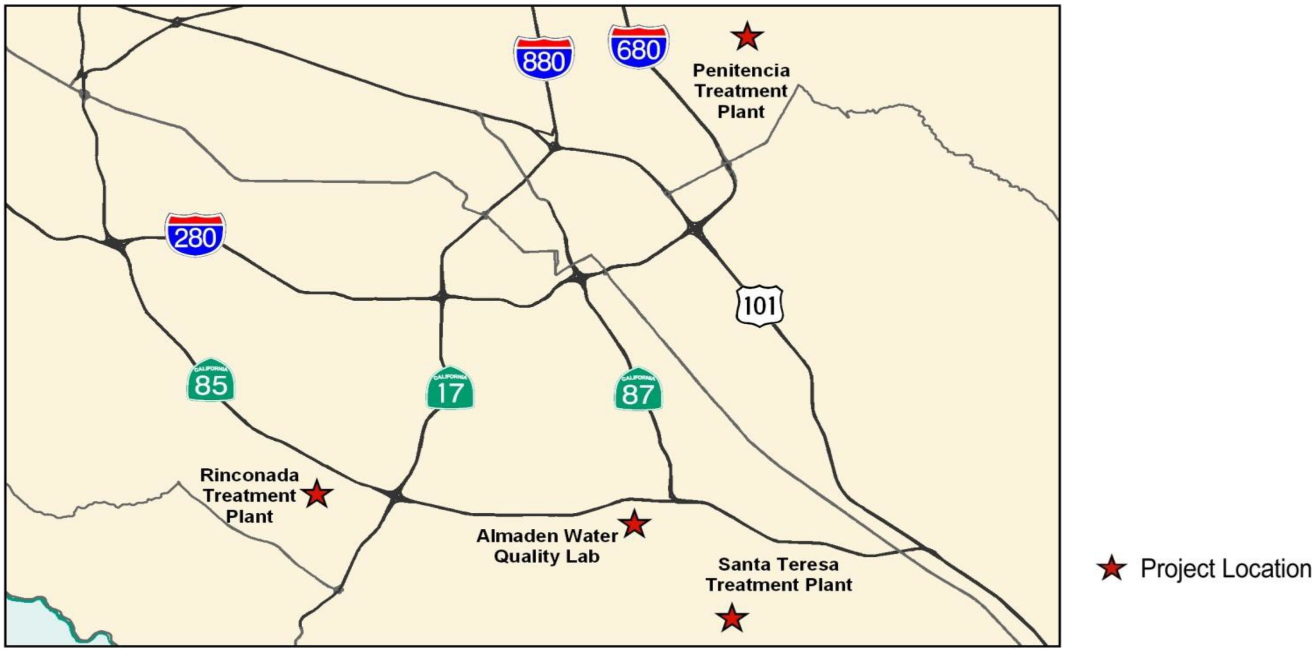
Small capital projects at water treatment faicilites, similar to the repair of this damaged effluent valve support, will be done per the asset management program.

PROJECT DESCRIPTION

This project implements a systematic approach of equipment replacement and renewal at the three water treatment plants by designing and constructing improvements identified as part of the District's 10-year asset management program. Typical activities included in this project include pump, motor, instrumentation and valve replacement; chemical tank inspection and repair; and large-scale renewal and replacement activities like clarifier mechanism overhaul and replacement. Planned projects to complete in FY 2010 include:

- PWTP: Chlorine OCL System Upgrade, Belt Press PL Control Upgrade, and Effluent Valve Vault Repair.
- STWTP: Sludge System Upgrade and Plant Water System Repairs.
- RWTP: Backwash System Repairs, Instrumentation System Upgrade, Main Pump System Rehabilitation, Pump and Piping System Modification, Lower Pond Embankment Repair, and Elevator Alarm System.
- Water Quality Lab: New Lab Instruments

PROJECT LOCATION


880
680
Penitencia Treatment Plant
280
101
85
17
87
Rinconada Treatment Plant
Almaden Water Quality Lab
Santa Teresa Treatment Plant
★ Project Location

SCHEDULE & STATUS

This project is part of the District's regularly scheduled 10-year asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	17,010											
Closeout	n/a											
	17,010											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Water Treatment	n/a	0	2,129	1,495	2,183	1,518	1,991	7,694	17,010
with inflation	n/a	0	2,129	1,623	2,470	1,790	2,446	10,996	21,453

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Small Capital Improvements, Water Treatment	n/a	0	0	2,129	1,623	2,470	1,790	2,446	10,996	21,453

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	21,453
Other Funding Source	0
Total	**21,453**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

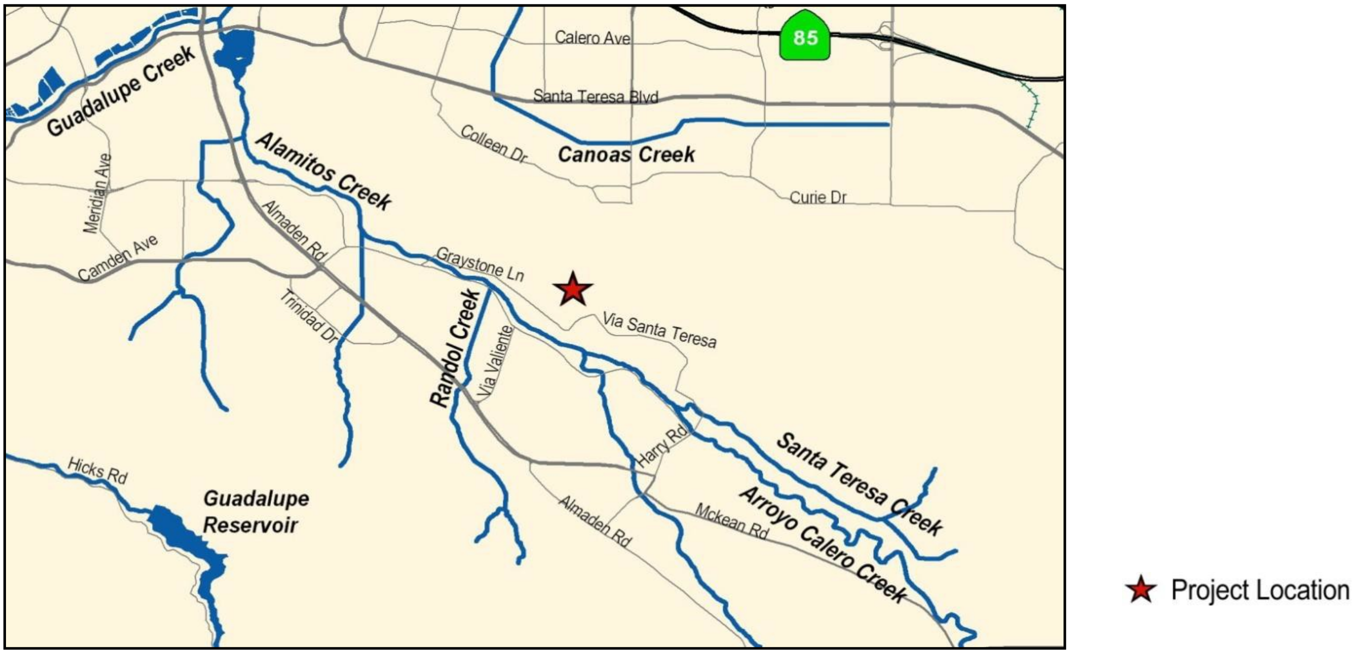
Project	**STWTP Incompatible Materials**
Program	Water Supply – Treatment
Priority No.	65
Project No.	93284030
District Contact	Dave Chesterman dchesterman@valleywater.org

Incompatible chemical piping will be separated at the Santa Teresa Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to separate incompatible chemicals in the chemical feed area, chemical trenches and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.

PROJECT LOCATION

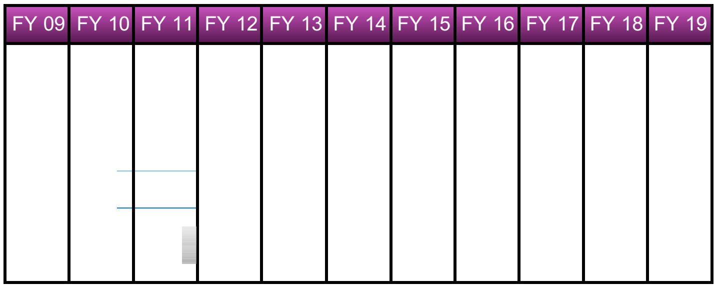


SCHEDULE & STATUS

July 2001 to November 2010

Planning Phase is complete.

Phase	Cost
Plan	818
Design	2,387
Construct	3,115
~~Closeout~~	144
	6,464



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
STWTP Incompatible Materials	1,536	1,192	3,359	377	0	0	0	0	6,464
with inflation	1,536	1,192	3,359	409	0	0	0	0	6,496

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
STWTP Incompatible Materials	2,280	1,665	1,217	2,142	409	0	0	0	0	6,496

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

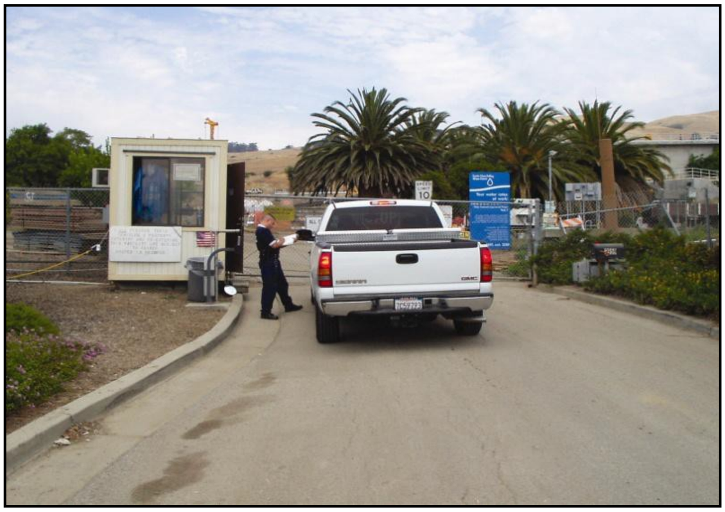
SCVWD Water Utility Enterprise Fund	6,496
Other Funding Source	0
Total	**6,496**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4,500 per year, beginning in FY 2011. This project primarily replaces existing equipment with similar new equipment and a net increase of four mixers, which will require additional preventive maintenance.

USEFUL LIFE: Mechanical Elements – 35+ Year; Structural Elements – 50+ Years

Project	**Water Protection**
Program	Water Supply – Treatment
Priority No.	65
Project No.	94084005
District Contact	Dave Chesterman dchesterman@valleywater.org



Security inspection of vehicles entering Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

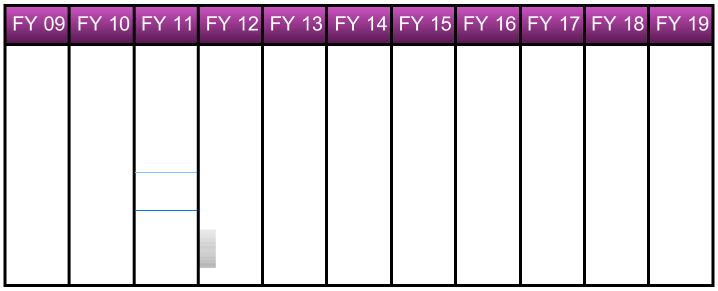
This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plants and other Water Utility facilities. No project map is provided.

SCHEDULE & STATUS
June 2006 to September 2011

Phase	Cost
Plan	791
Design	1,129
Construct	6,401
~~Closeout~~	150
	8,471



	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Water Protection	455	825	6,241	800	150	0	0	0	8,471
with inflation	455	825	6,241	869	170	0	0	0	8,559

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Water Protection	4,427	0	3,147	3,094	869	170	0	0	0	8,559

Adjusted Budget includes adopted budget plus approved budget adjustments.

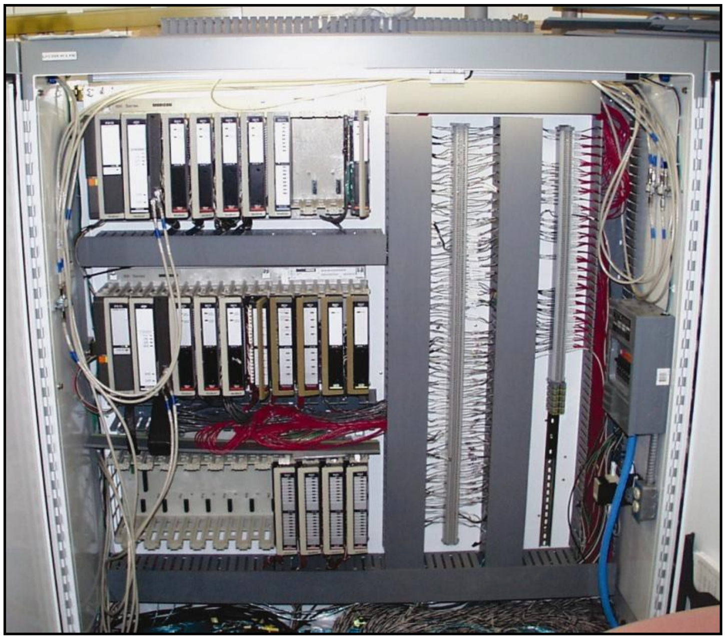
FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	8,559
Other Funding Source	0
Total	**8,559**

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Not Available

Project	**WTP I/O Cards and Trunk Cables Upgrade**
Program	Water Supply – Treatment
Priority No.	53
Project No.	93084009
District Contact	Dave Chesterman dchesterman@valleywater.org

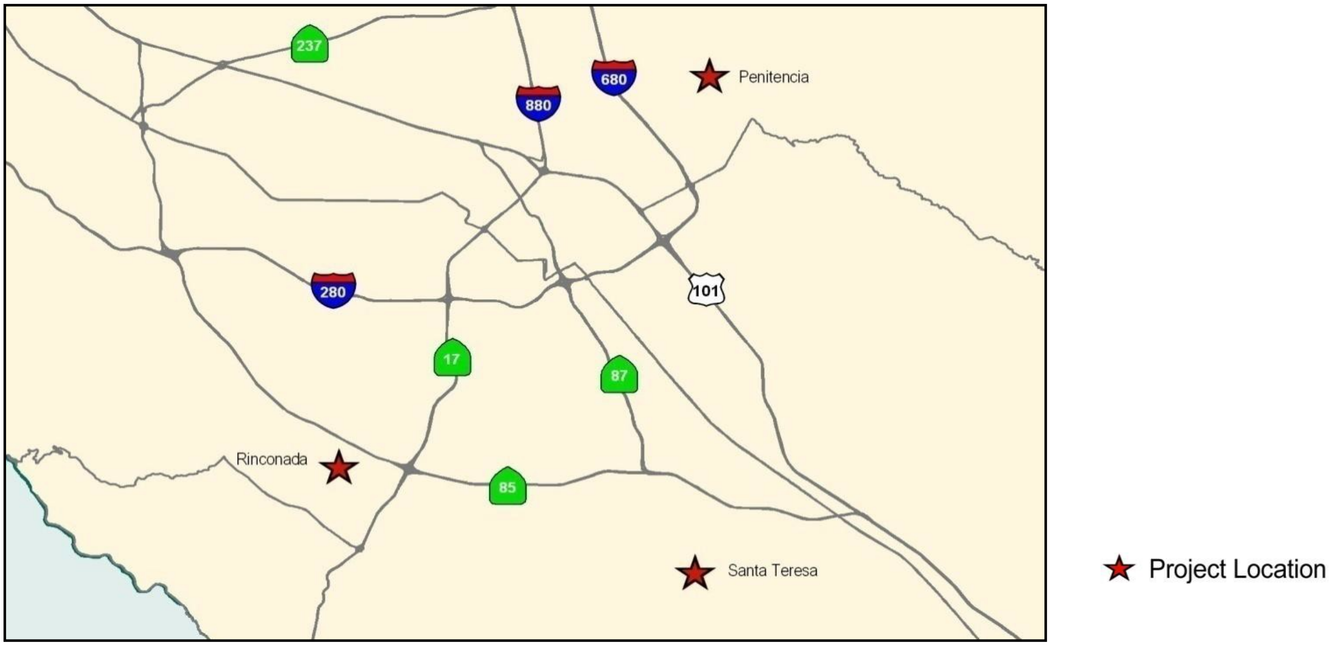


Existing I/O cards will be replaced.

PROJECT DESCRIPTION

This project upgrades the Supervisory Control and Data Acquisition (SCADA) hardware and software and replaces trunk cables at the District's three water treatment plants (WTP) to ensure operational reliability.

PROJECT LOCATION

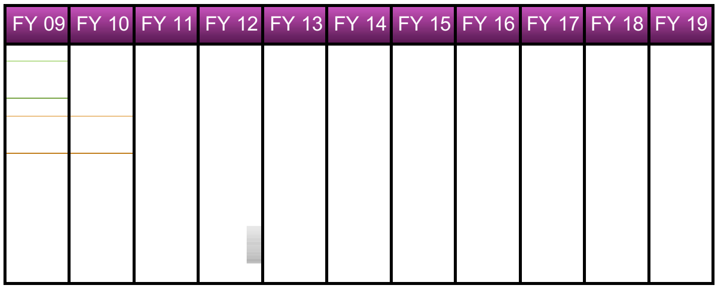


SCHEDULE & STATUS

July 2003 to June 2012

Design and Construction Phases overlap due to the phased approach for installation of I/O Modules and then Trunk Cables.

Phase	Cost
Plan	176
Design	696
Construct	4,997
~~Closeout~~	60
	5,929



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
WTP I/O Cards and Trunk Cables Upgrade	1,497	2,210	1,512	450	260	0	0	0	5,929
with inflation	1,497	2,210	1,512	489	294	0	0	0	6,002

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
WTP I/O Cards and Trunk Cables Upgrade	3,833	431	557	955	489	294	0	0	0	6,002

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

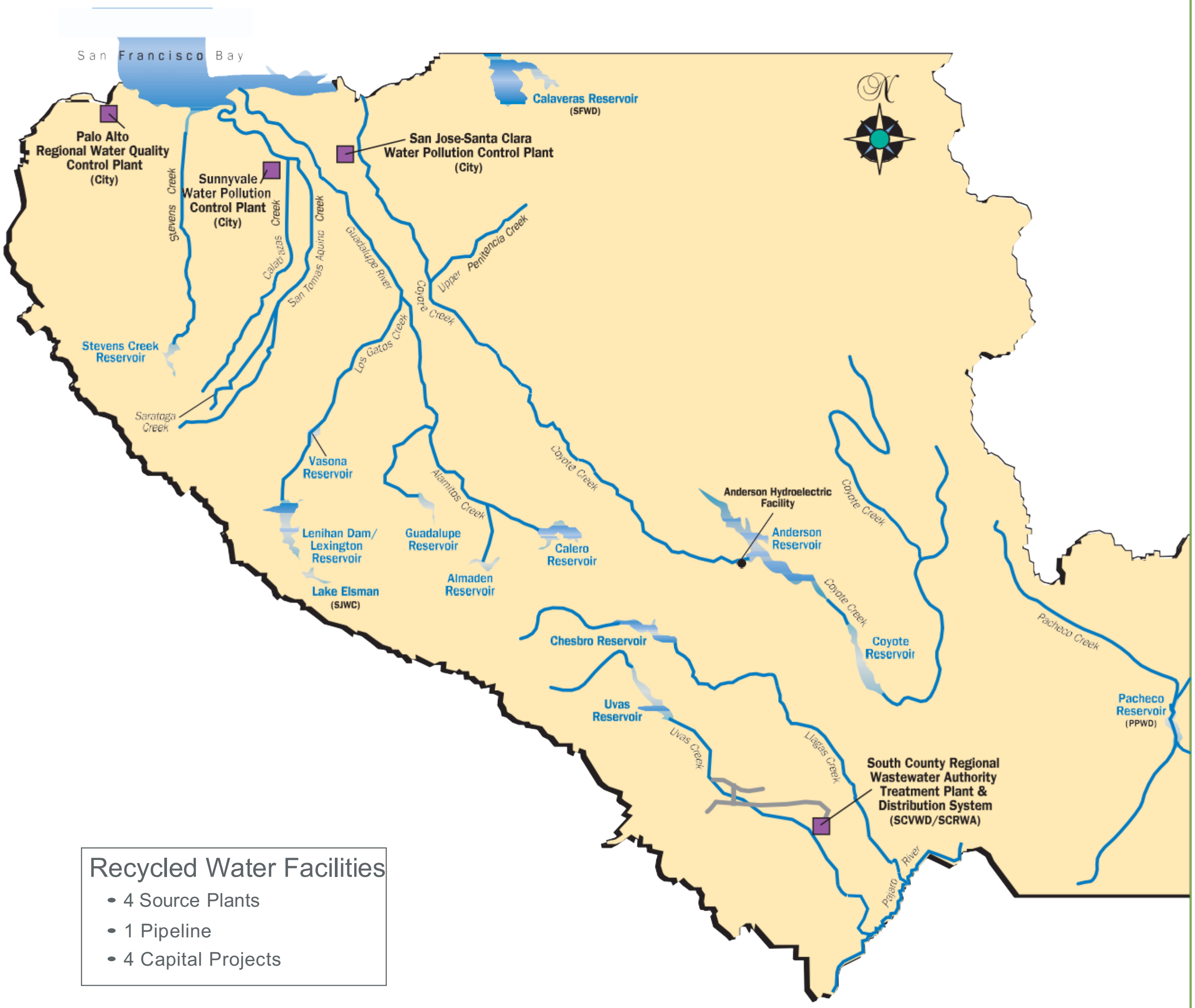
SCVWD Water Utility Enterprise Fund	6,002
Other Funding Source	0
Total	**6,002**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 10+ Years

WATER SUPPLY CAPITAL IMPROVEMENTS



Recycled Water Facilities

- 4 Source Plants
- 1 Pipeline
- 4 Capital Projects

Recycled Water Facilities Project Pages

Project	**Bay Area Regional Desalination, Mallard Slough Pilot Plant**
Program	Water Supply – Recycled Water
Priority No.	4
Project No.	91084017
District Contact	Keith Whitman kwhitman@valleywater.org

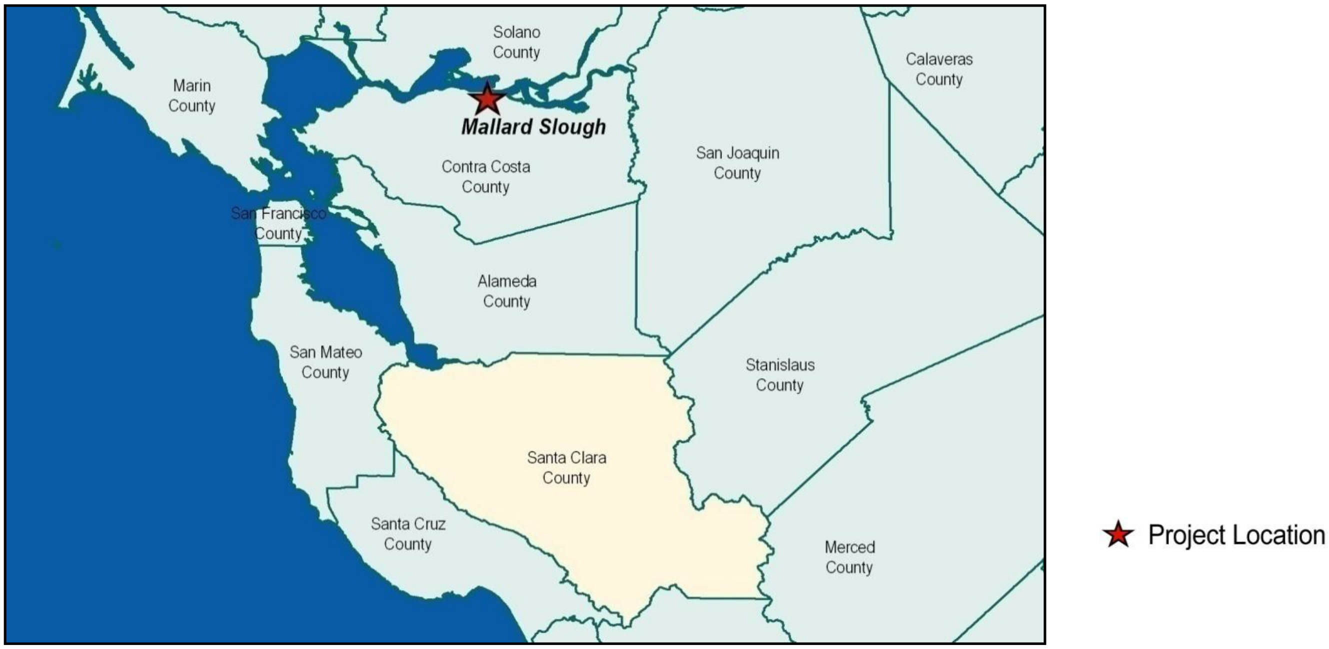
Mallard Slough Pump Station

PROJECT DESCRIPTION

This project plans, designs, constructs and operates a temporary desalination pilot facility, so that the District and partner agencies (East-Bay Municipal Utility District, San Francisco Public Utilities Commission, and Contra Costa Water District) can obtain refined local data on micro-filtration and reverse osmosis using delta brackish water. The pilot project also tests marine life exclusion systems. Data collected by this project will contribute to the following objectives:

- Provide additional sources of water during emergencies such as earthquakes or Delta levee failures.
- Provide a supplemental water supply source during extended droughts.
- Allow other major facilities such as treatment plants, water pipelines, and pump stations to be taken out of service for maintenance or repairs.
- Increase water supply reliability by providing supplemental water from a regional facility.

PROJECT LOCATION

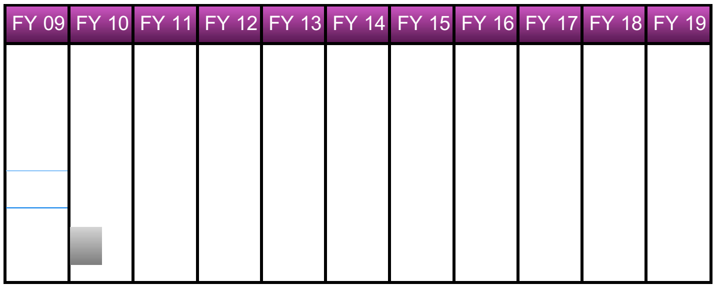


SCHEDULE & STATUS

January 2007 to December 2009

Planning, design and construction are all under one contract, held by EBMUD. Construction phase includes one year of pilot plant operation before closeout.

Phase	Cost
Plan	-
Design	-
Construct	490
~~Closeout~~	10
	500



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	200	0	300	0	0	0	0	0	500
with inflation	200	0	300	0	0	0	0	0	500

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	200	300	0	0	0	0	0	0	500

Adjusted Budget includes adopted budget plus approved budet adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	263
Other Funding Source	237
Total	**500**
Local Partner–San Francisco Public Utilities Commission	258
Local Partner–East Bay Municipal Utility District	258
Local Partner–Contra Costa Water District	258
State Partner–Department of Water Resources	763

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs because this is a pilot plant that will be used for data gathering purposes and then dismantled at the end of the project.

USEFUL LIFE: Temporary Facility – Not Applicable

Project	**Recycled Water Advanced Treatment Facility WPCP**
Program	Water Supply – Recycled Water
Priority No.	39
Project No.	91184008
District Contact	Keith Whitman kwhitman@valleywater.org

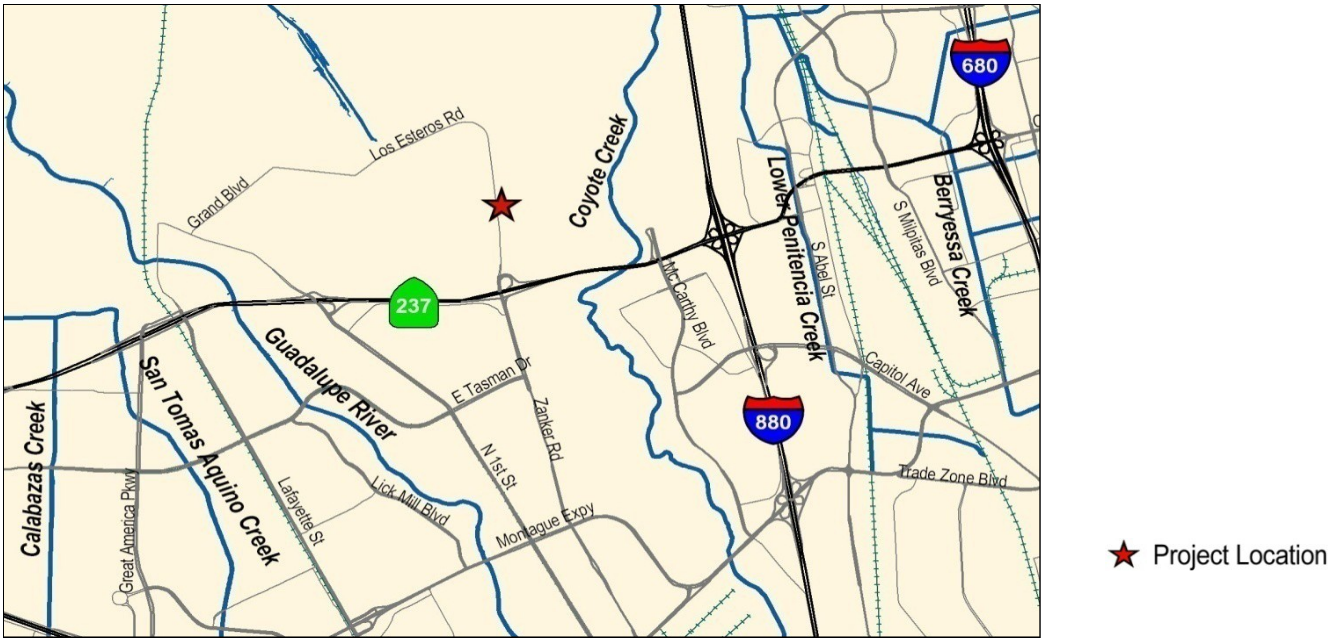
Typical recycled water advanced treatment plant

PROJECT DESCRIPTION

This project plans, designs, and constructs a 5- to 7-mgd (million-gallon-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant (WPCP) in San Jose, to accomplish the following objectives:

- Improve recycled water quality to enhance marketability.
- Increase the operational reliability and flexibility of recycled water.
- Retain existing customers who may have water quality (especially salinity) issues.
- Improve public acceptance of recycled water.
- Maximize water recycling alternatives.
- Reduce fresh water effluent discharges into San Francisco Bay to protect endangered species.
- Increase tertiary treatment capacity for the water pollution control plant.
- Preserve options for future groundwater recharge and reuse.

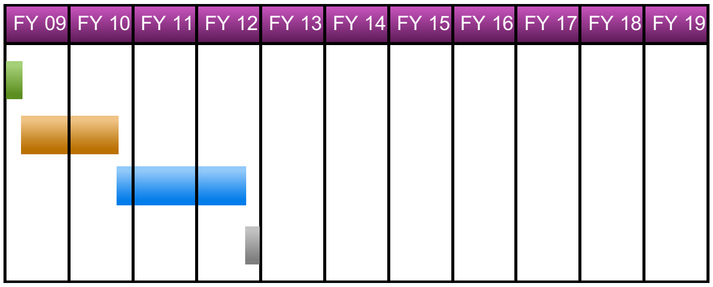
PROJECT LOCATION



SCHEDULE & STATUS

January 2004 to June 2012

Phase	Cost
Plan	750
Design	3,918
Construct	45,756
Closeout	-
	50,424



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Recycled Water Advanced Treatment Facility WPCP	3,868	800	29,556	16,100	100	0	0	0	50,424
with inflation	3,868	800	29,556	18,427	113	0	0	0	52,764

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Recycled Water Advanced Treatment Facility WPCP	3,995	31,570	30,897	0	17,086	113	0	0	0	52,764

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	17,014
City of San Jose	19,000
California Department of Water Resources	3,000
Corps of Engineers (WRDA 2007)	5,500
United States Bureau of Reclamation (USBR) ARRA	8,250
Total	52,764

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the District's operating costs by approximately $1.75 million per year, beginning in FY 2013. The City of San Jose will also be responsible for contributing the same amount to cover total annual operations costs of approximately $3.5 million. Total cost includes labor, membranes replacement, energy, UV lamp replacement, chemicals, and other necessary items.

USEFUL LIFE: 20-30 Years

Project	**Recycled Water South County Masterplan Implementation**
Program	Water Supply – Transmission
Priority No.	11
Project No.	91094007s
District Contact	Keith Whitman kwhitman@valleywater.org

Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan report that the District and South County Regional Wastewater Authority (SCRWA) Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91094008).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy Sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for the immediate- and short-term phases only. The scope, schedule, costs, and funding sources for the long-term project will be determined pending Board consideration of alternatives for responding to financial constraints.

PROJECT LOCATION

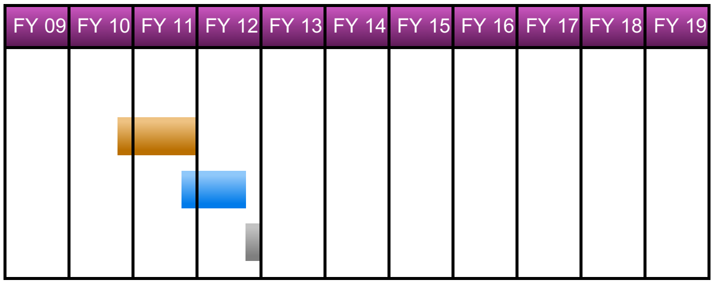
No map is provided.

PROJECT SCHEDULE

July 2005 to June 2012

The display shows the Short-Term project only. The Immediate-Term project is complete. Planning for both projects was done in a separate project.

Phase	Cost
Plan	-
Design	2,603
Construct	9,409
Closeout	20
	12,032



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru				Planned Expenditures				Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	3,257
with inflation	3,257	0	0	0	0	0	0	0	3,257
Recycled Water South County Masterplan - Short Term	0	0	3,675	5,080	20	0	0	0	8,775
with inflation	0	0	3,675	5,811	23	0	0	0	9,509
TOTAL	**3,257**	**0**	**3,675**	**5,080**	**20**	**0**	**0**	**0**	**12,032**
with inflation	**3,257**	**0**	**3,675**	**5,811**	**23**	**0**	**0**	**0**	**12,766**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent			Planned Funding Requests			Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	0	3,257
Recycled Water South County Masterplan - Short Term	0	3,775	3,775	0	5,711	23	0	0	0	9,509
TOTAL	**3,257**	**3,775**	**3,775**	**0**	**5,711**	**23**	**0**	**0**	**0**	**12,766**

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,708
South County Regional Wastewater Authority	708
United States Bureau of Reclamation (USBR) ARRA	4,350
Tota	12,766

OPERATING COST IMPACTS

Estimated District share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase, beginning in FY 2007 and an additional $20,000 for the Short-Term phase, beginning in FY 2013. Increases for Immediate Term are primarily labor costs for operating the new 3mg reservoir and its pump station. Increases for Short Term are labor and materials to maintain the 42,000 feet of new pipeline, exercising valves and cathodic protection.

USEFUL LIFE: Pipelines – 50 Year; Pumps – 20 Years

Project	**Water Efficient Demonstration Garden**
Program	Water Supply – Recycled Water
Priority No.	10
Project No.	91154006
District Contact	Keith Whitman kwhitman@valleywater.org

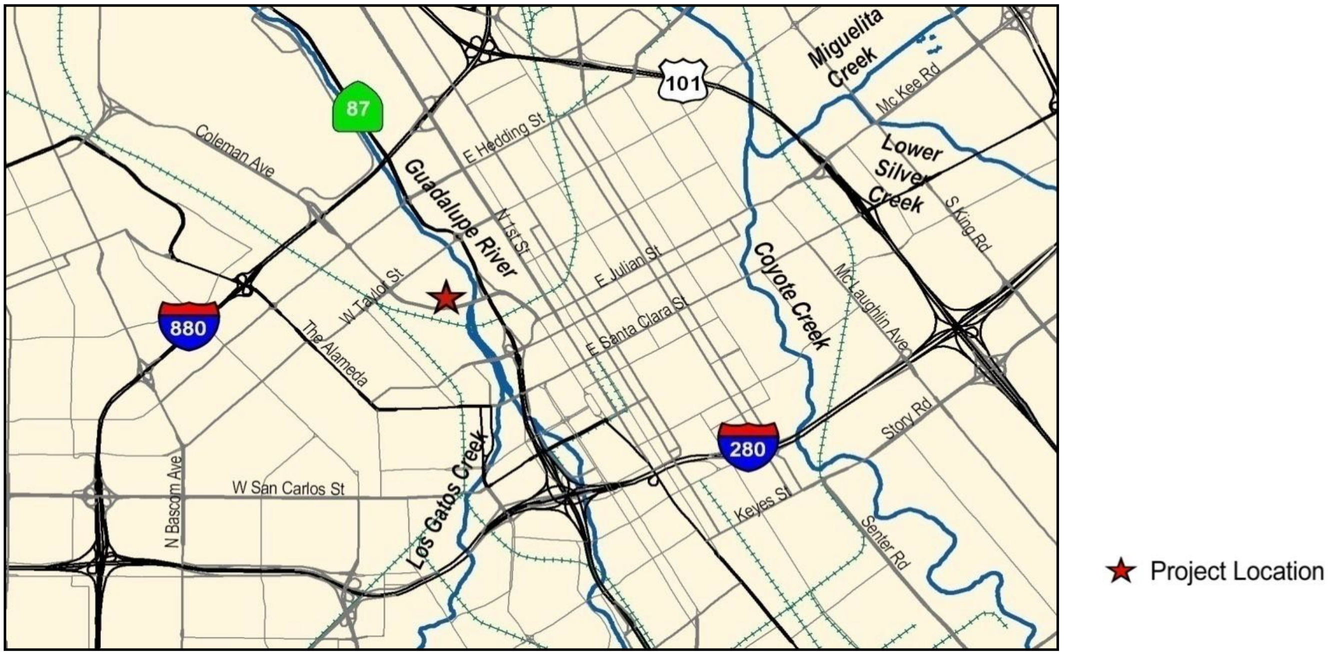
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost-effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

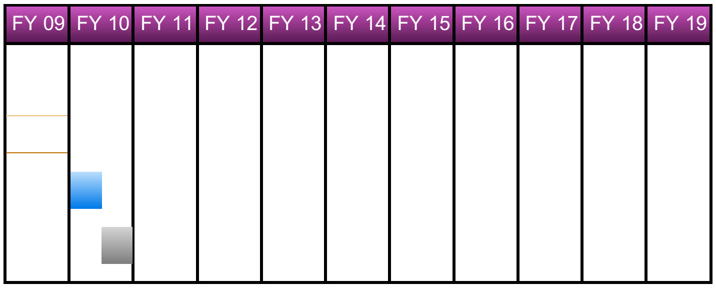
PROJECT LOCATION



SCHEDULE & STATUS
July 2006 to June 2010

Planning phase was done in a separate project.

Phase	Cost
Plan	-
Design	264
Construct	1,651
~~Closeout~~	52
	1,967



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Water Efficient Demonstration Garden	264	1,328	375	0	0	0	0	0	1,967
with inflation	264	1,328	375	0	0	0	0	0	1,967

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Water Efficient Demonstration Garden	1,893	74	375	0	0	0	0	0	0	1,967

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,821
Department of Water Resources	146
Total	**1,967**

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2011. Increases are for ongoing maintenance of the garden.

USEFUL LIFE: 50+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages." The 800 miles of creeks are located in five watersheds; Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has significantly reduced the intensity and frequency of flooding in Santa Clara County. The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990.

In 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Analysis conducted at that time, identified nine capital projects that would be funded by the special tax. Fiscal Year 2007-08 analysis indicated that project cost increases would result in an $85 million revenue shortfall. Since then, staff has worked to reduce the cost increases. In FY 2008-09, staff reduced the revenue shortfall by approximately $50 million. During the past year, staff identified approximately $25 million of additional reductions, making the total revenue shortfall $7 to $10 million. Staff will continue to develop additional cost reduction for the Clean Safe Creeks projects.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek continuing upstream from completed work at Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East Channel from Guadalupe Slough to Interstate 280 (Clean Safe Creeks project)
- Sunnyvale West Channel from Guadalupe Slough to Highway 101 (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marinato Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper continuing from completed work at Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek continuing upstream from completed work at Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive
- Lower Silver Creek from Highway 680 to Lake Cunningham (partially funded)

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper continuing upstream from completed work at Buena Vista Road to Wright Avenue (Clean Safe Creeks project)
- Llagas Creek Capacity Restoration Highway 152 to Pajaro River

PRIORITy PROCESS AND FINANCIAL ANALySIS

A rigorous priority setting process was conducted to ensure that the new flood protection projects proposed to be added to the Fiscal Year 2009-10 CIP reflect the Board's priorities. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for flood protection capital improvements was conducted to determine if there are limitations to funding all of the projects in the approved Fiscal Year 2008-09 CIP and the high priority new capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creeks Fund

Results of the prioritization process and financial analysis are summarized in Appendix B. The process concluded that the flood protection capital needs are larger than the projected revenues.

The watersheds have benefited from ARRA Federal stimulus money, USACE earmarked funds to construct the last two bridges and complete the downtown portion of the Guadalupe River Project. The District also received $18 million from NRCS for immediate work on Lower Silver Creek, from I-680 to Lake Cunningham.

The following high priority flood protection projects, unfunded or partially funded, are of major concern to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages."

Watershed and Stream Stewardship Fund

- Thompson Creek Stream Stabilization from Quimby Road to Aborn Road (partially funded - coordination with Corps of Engineers only)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (partially funded - planning phase only)
- Lower Silver Creek from Highway 680 to Lake Cunningham (partially funded)
- San Francisco Bay Shoreline Project (partially funded - planning phase only)

Clean, Safe Creeks and Natural Flood Protection Fund

- Permanente Creek, San Francisco Bay to El Camino Real (design & construct)
- San Francisquito Creek, San Francisco Bay through Searsville Dam (design & construct)
- Calabazas Creek, Miller Avenue to Wardell Road
- Sunnyvale West Channel, Guadalupe Slough to Highway 101
- Sunnyvale East Channel, Guadalupe Slough to Highway 101
- Upper Guadalupe River, Intersate 280 to Blossom Hill Road
- Coyote Creek, Montague Expressway to Intersate 280
- Upper Llagas Creek, Buena Vista Road to Wright Avenue

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Flood Protection Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
	LOWER PENINSULA WATERSHED										
10104001	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	23,514	584	-	135	76	107	-	-	-	24,416
10244001	Permanente Creek, San Francisco Bay to Foothill Expressway	11,968	2,601	1,595	4,849	16,666	14,421	684	184	325	51,698
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	-	1,462	1,968	977	1,824	5,623	3,528	2,308	20,228
	WEST VALEY WATERSHED										
20104018	Calabazas Creek, Capacity Improvement	4,972	73	624	-	-	-	-	-	-	5,045
26104001	Calabazas Creek, Miller Avenue to Wardell Road	6,157	1,101	-	9,108	1,457	571	654	184	-	19,232
20194005	San Tomas Creek, Quito Road Bridges Replacement	418	82	8	13	22	23	-	-	-	558
26074002	Sunnyvale East and West Channel Planning	4,938	930	1,161	991	545	-	-	-	-	7,404
26C40232	Sunnyvale East Channel, Guadalupe Slough to Interstate 280	-	-	-	-	4,223	4,400	5,690	51,574	56,814	122,701
26C40234	Sunnyvale West Channel, Guadalupe Slough to Highway 101	-	-	-	-	1,020	1,062	10,266	798	-	13,146
	GUADALUPE WATERSHED										
30154011	Guadalupe River-Lower, Alviso Marina to Interstate 880	89,434	147	-	162	-	-	-	-	-	89,743
30154013	Guadalupe River-Downtown, Interstate 880 to Interstate 280	104,375	305	1,838	371	412	-	-	-	-	105,463
26154001	Guadalupe River-Upper, Interstate 280 to Blossom Hill Road	53,267	33,177	19,879	478	6,273	16,510	6,865	5,184	2,714	124,468
	COYOTE WATERSHED										
26174041	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	8,944	1,971	4,862	636	8,185	444	298	311	563	21,352
40174004	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	20,142	7,730	1,758	914	8,949	481	2,156	295	14,220	54,887
26174043	Coyote Creek, Montague Expressway to Interstate 280	9,410	-	1,819	1,332	1,224	9,182	5,095	7,739	4,031	38,013
40264001	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	79,100	251	456	-	-	-	-	-	-	79,351
40264008	Lower Silver Creek, I-680 to Cunningham, (Reach 4-6)	6,389	2,064	-	2,912	5,190	-	-	-	-	16,555
62214001	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	-	2,076	-	-	189	-	-	-	2,445
40324003	Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,785	203	5,321	-	55	-	-	-	-	15,043

▨ *FY 2008-09 Funds to be reappropriated*

FLOOD PROTECTION
CAPITAL IMPROVEMENTS

Flood Protection Capital Improvements ($K) (cont'd)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
	UVAS LLAGAS WATERSHED										
50284010	Llagas Creek-Lower, Capacity Restoration	-	436	-	856	1,236	-	-	-	-	2,528
26174051	Llagas Creek-Upper, Buena Vista Road to Wright Avenue	11,374	468	1,804	5,755	192	113	118	123	395	18,538
	MULTIPLE WATERSHEDS										
00044026	San Francisco Bay Shoreline - Planning	9,244	2,055	798	60	264	28	-	-	-	11,651
	TOTAL	464,687	54,178	45,461	30,540	56,966	49,355	37,449	69,920	81,370	844,465

▭ *FY 2008-09 Funds to be reappropriated*

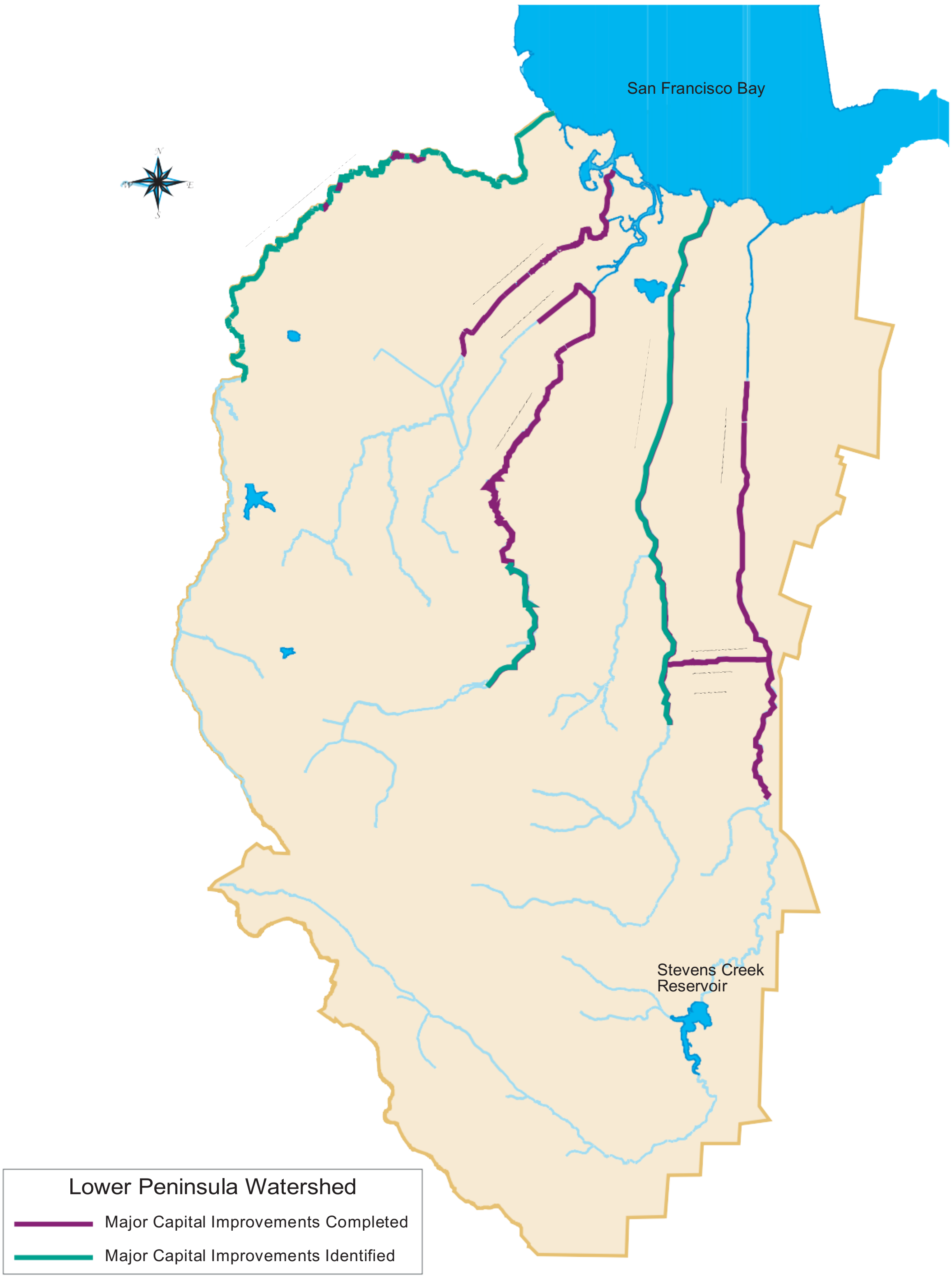
The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection – Funding Sources ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Watershed Stream Stewardship Fund	370,597	14,597	14,382	11,935	17,181	1,654	2,828	295	14,220	433,307
Clean, Safe Creeks and Natural Flood Protection Fund	94,090	39,581	31,079	18,605	39,785	47,701	34,621	69,625	67,150	411,158
TOTAL	464,687	54,178	45,461	30,540	56,966	49,355	37,449	69,920	81,370	844,465

▭ *FY 2008-09 Funds to be reappropriated*

FLOOD PROTECTION CAPITAL IMPROVEMENTS


San Francisco Bay
N
W
E
S
Stevens Creek Reservoir
Lower Peninsula Watershed
Major Capital Improvements Completed
Major Capital Improvements Identified

Lower Peninsula Watershed Project Pages

Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	30
Project No.	10104001s
District Contact	Katherine Oven koven@valleywater.org

Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in 2005.

PROJECT DESCRIPTION

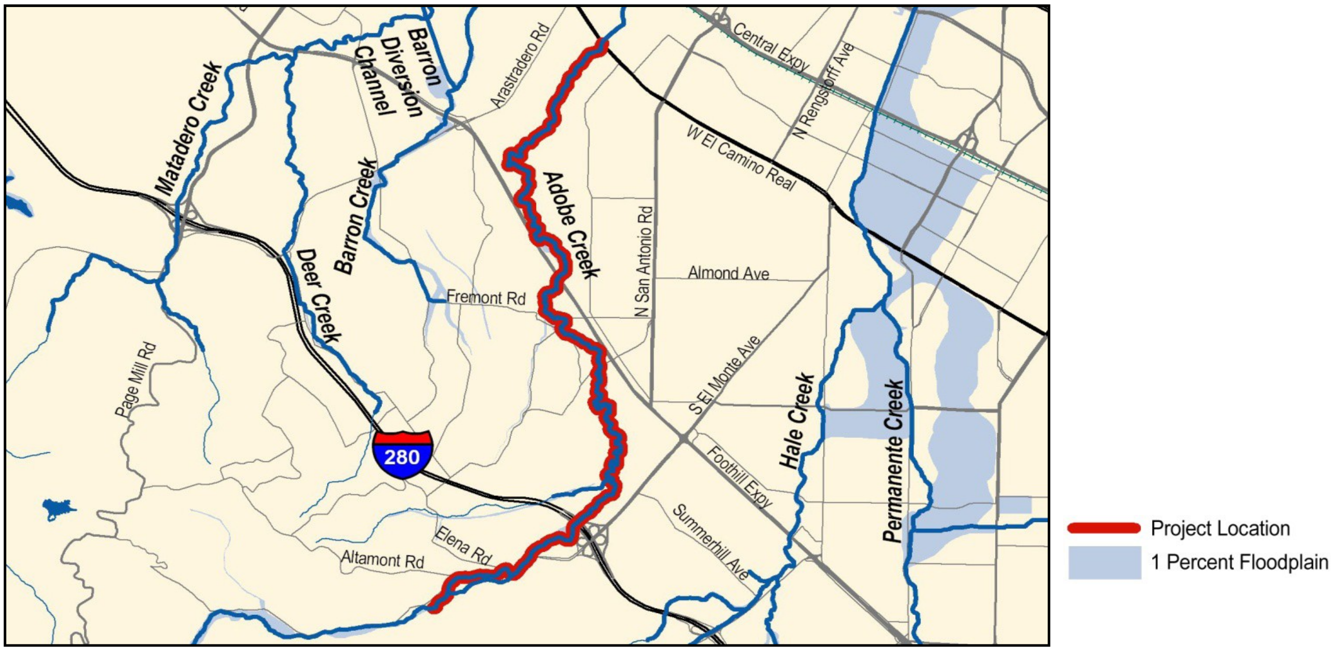
This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

- 10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
- 10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
- 10104005—Reach 5 from Foothill Expressway to West Edith (completed)
- 10104011—Upper Reach 5 Restoration
- 10104008—Reach 7–9 from Burke Road to Interstate 280 (planning/design complete - no construction)
- 10104007—Reach 11–13 from Foothill College to Rhus Ridge (cancelled)

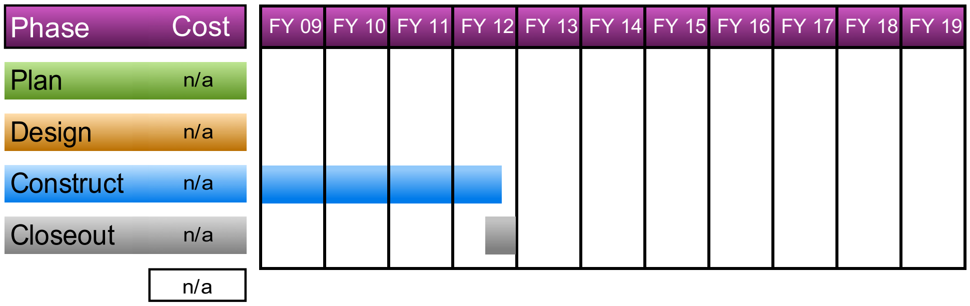
PROJECT LOCATION



PROJECT SCHEDULE

July 1991 to April 2012

Planning and design phases are complete. Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	9,742
with inflation	9,742	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	3,111
with inflation	3,111	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	6,041	515	135	70	95	0	0	0	6,856
with inflation	6,041	515	135	76	107	0	0	0	6,874
Adobe Ck, Burke Road to I-280 (R7-9)	1,333	25	0	0	0	0	0	0	1,358
with inflation	1,333	25	0	0	0	0	0	0	1,358
Adobe Ck, Foothill Coll to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**23,558**	**540**	**135**	**70**	**95**	**0**	**0**	**0**	**24,398**
with inflation	**23,558**	**540**	**135**	**76**	**107**	**0**	**0**	**0**	**24,416**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	5,972	584	0	135	76	107	0	0	0	6,874
Adobe Ck, Burke Road to I-280 (R7-9)	1,358	0	0	0	0	0	0	0	0	1,358
Adobe Ck, Foothill Coll to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	0	132
TOTAL	**23,514**	**584**	**0**	**135**	**76**	**107**	**0**	**0**	**0**	**24,416**

Adjusted Budget includes adopted budget plus a planned budget adjustment of $47,000 for Reach 5 Restoration.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	24,354
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	62
Total	**24,416**

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	94
Project No.	10244001s
District Contact	Katherine Oven koven@valleywater.org

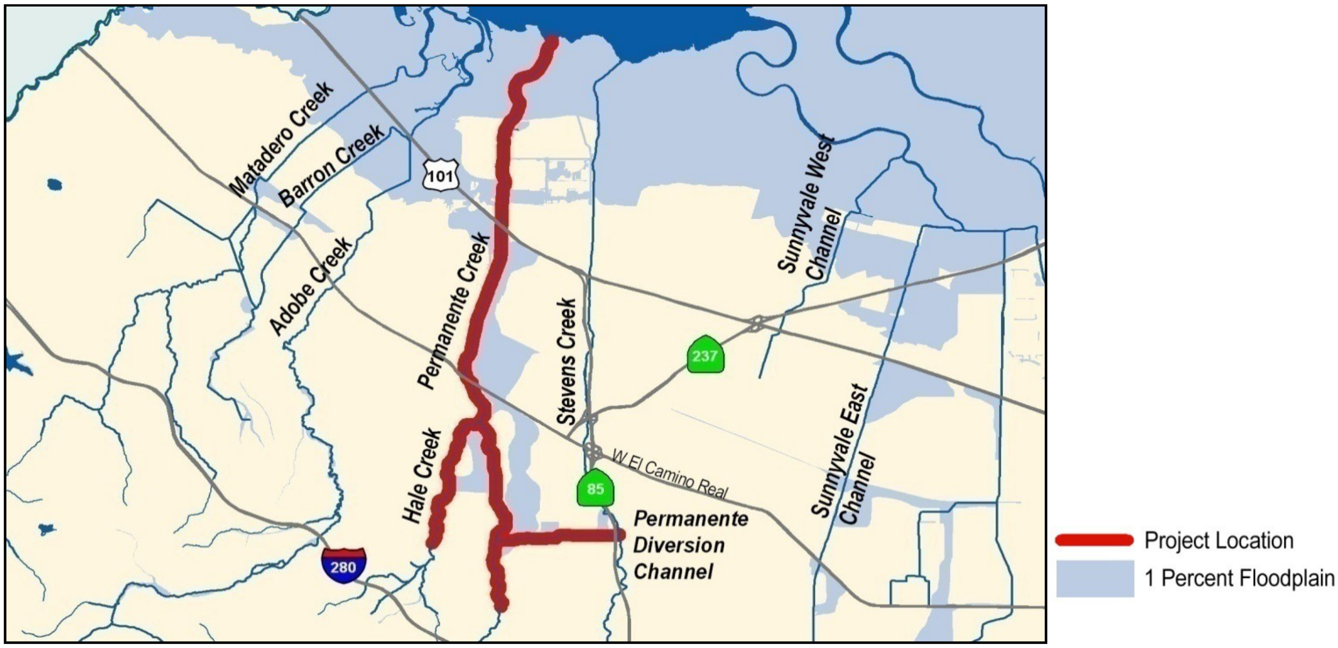
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

PROJECT LOCATION

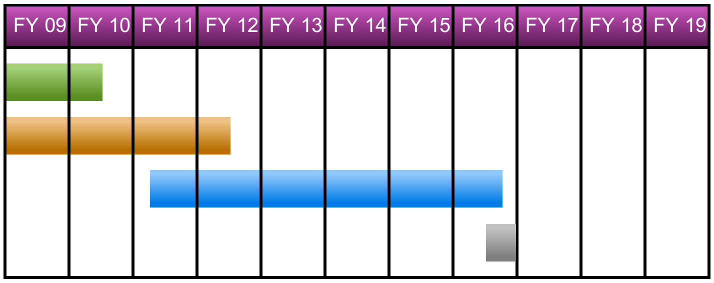


PROJECT SCHEDULE

July 2001 to June 2016

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	11,908
Design	10,316
Construct	24,730
Closeout	100
	47,054



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	11,324	1,270	4,585	0	0	0	0	0	17,179
with inflation	11,324	1,270	4,585	0	0	0	0	0	17,179
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	0	380	1,859	14,696	11,960	580	150	250	29,875
with inflation	0	380	1,859	16,666	14,421	684	184	325	34,519
TOTAL	11,324	1,650	6,444	14,696	11,960	580	150	250	47,054
with inflation	11,324	1,650	6,444	16,666	14,421	684	184	325	51,698

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	11,968	667	41	4,544	0	0	0	0	0	17,179
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	0	1,934	1,554	305	16,666	14,421	684	184	325	34,519
TOTAL	11,968	2,601	1,595	4,849	16,666	14,421	684	184	325	51,698

Adjusted Budget includes adopted budget plus any budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,179
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	34,519
Total	51,698

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Increases in operations and maintenance costs include sediment removal at three flood detention sites, and bypass channel inlet and outlet operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**San Francisquito Creek, San Francisco Bay through Searsville Dam**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	68
Project No.	10284007s
District Contact	Katherine Oven koven@valleywater.org

San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road

PROJECT DESCRIPTION

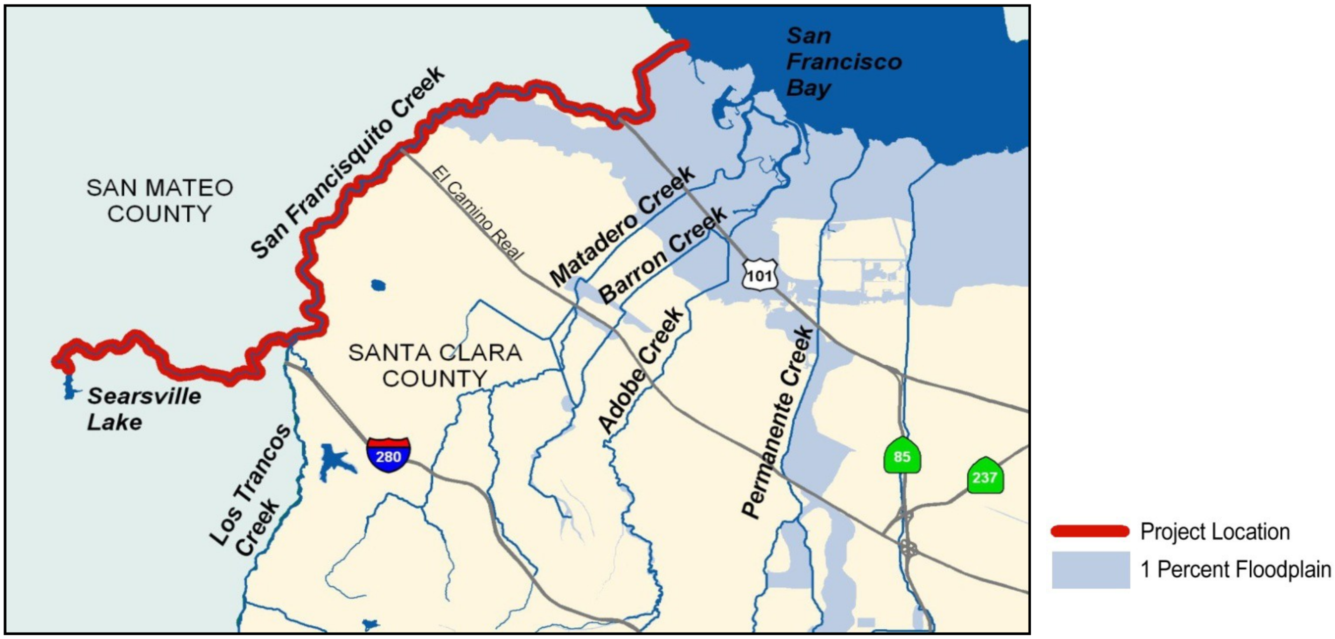
This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is funded through the planning and design phases only. The scope, schedule, costs, and funding sources of the construction phase will be determined upon the completion of the planning phase.

This project is accounted for in the following job numbers:
- 10284007 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Lower Peninsula
- 10284008 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Corps 104
- 26C40179 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Clean Safe Creeks

PROJECT LOCATION

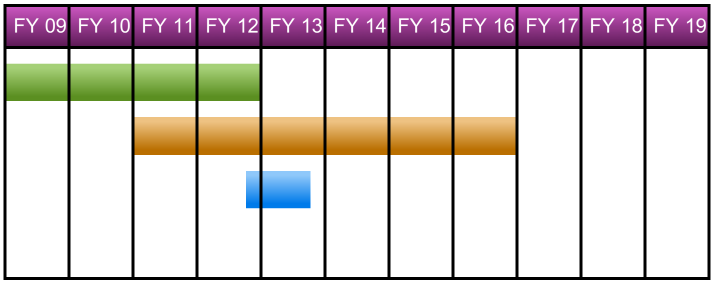


PROJECT SCHEDULE

July 2004 to June 2016

Predominantly Planning & Design Phases Only, but a small construction project will be eligible for Corps 104 Reimbursement.

Phase	Cost
Plan	6,368
Design	10,920
Construct	550
Closeout	50
	17,888



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam - Lower Peninsula	1,650	888	2,292	50	50	0	0	0	4,930
with inflation	1,650	888	2,292	54	57	0	0	0	4,941
San Francisquito Creek, San Francisco Bay through Searsville Dam - Corps 104	0	0	1,138	850	680	570	0	0	3,238
with inflation	0	0	1,138	923	769	672	0	0	3,502
San Francisquito Creek, San Francisco Bay through Searsville Dam - Clean Safe Creeks	0	0	0	0	882	4,200	2,872	1,766	9,720
with inflation	0	0	0	0	998	4,951	3,528	2,308	11,785
TOTAL	**1,650**	**888**	**3,430**	**900**	**1,612**	**4,770**	**2,872**	**1,766**	**17,888**
with inflation	**1,650**	**888**	**3,430**	**977**	**1,824**	**5,623**	**3,528**	**2,308**	**20,228**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam - Lower Peninsula	4,000	0	1,462	830	54	57	0	0	0	4,941
San Francisquito Creek, San Francisco Bay through Searsville Dam - Corps 104	0	0	0	1,138	923	769	672	0	0	3,502
San Francisquito Creek, San Francisco Bay through Searsville Dam - Clean Safe Creeks	0	0	0	0	0	998	4,951	3,528	2,308	11,785
TOTAL	**4,000**	**0**	**1,462**	**1,968**	**977**	**1,824**	**5,623**	**3,528**	**2,308**	**20,228**

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	4,941
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	11,785
Tota	**16,726**
Federal Partner–Corps of Engineers	3,000
County Partner–County of San Mateo	1,500

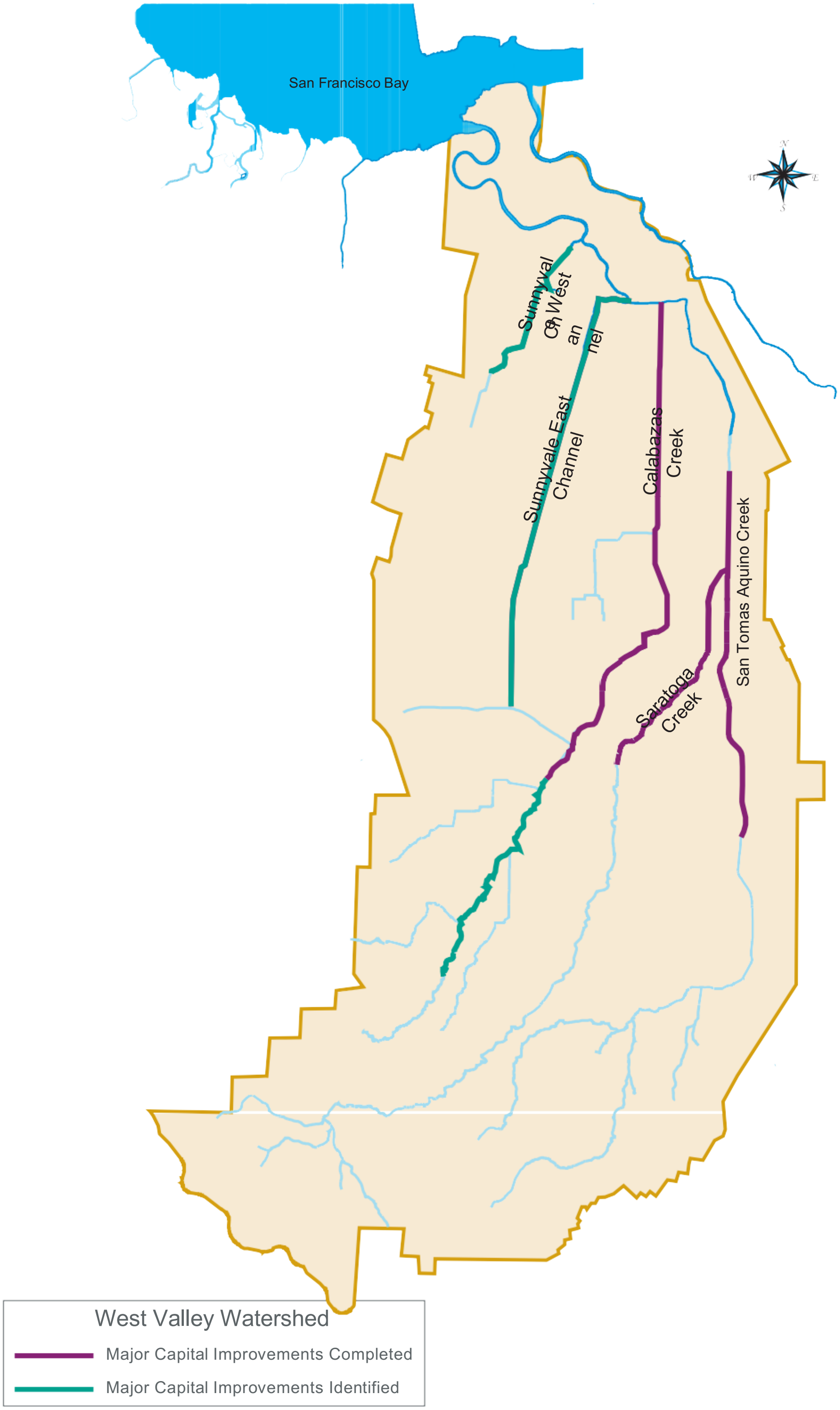
County and Corps participation are for Feasibility Study activities only.
Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

FLOOD PROTECTION CAPITAL IMPROVEMENTS



West Valley Watershed Project Page

Project	**Calabazas Creek, Capacity Improvement**
Program	Flood Protection – West Valley Watershed
Priority No.	77
Project No.	20104018
District Contact	Katherine Oven koven@valleywater.org

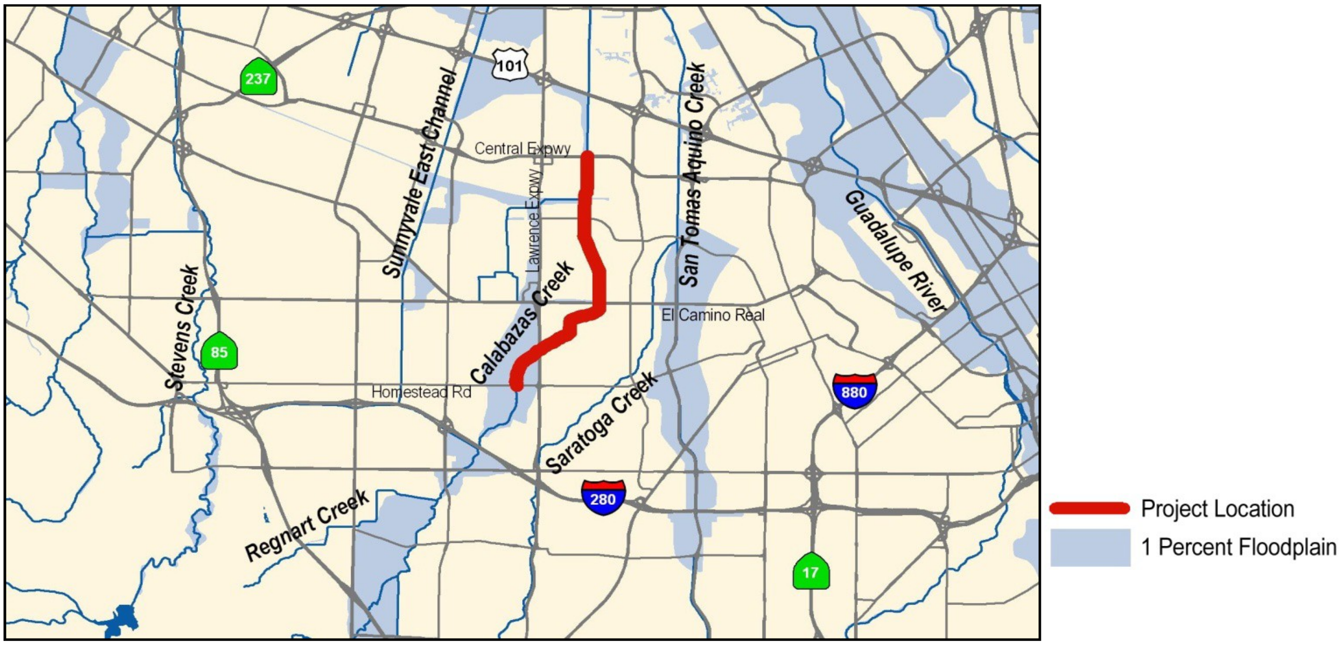
Calabazas Creek, downstream of the El Camino Real Bridge (looking upstream)

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 2 miles of Calabazas Creek, from Central Expressway to Miller Avenue, to accomplish the following objectives:

- Provide one-percent flood protection to 2,250 parcels.
- Correct invert erosion along Calabazas Creek downstream of Miller Avenue.

PROJECT LOCATION

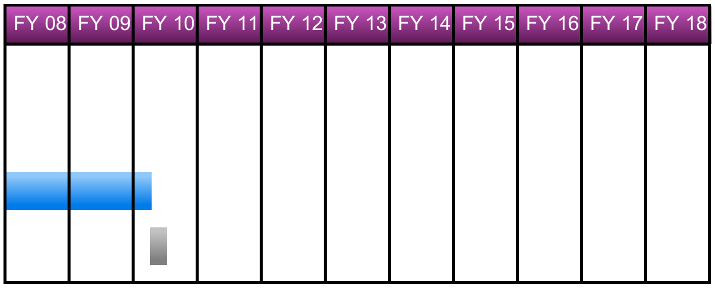


SCHEDULE & STATUS

January 2005 to December 2009

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	789
Design	768
Construct	2,962
Closeout	37
	4,556



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Calabazas Creek, Capacity Improvement	4,121	300	135	0	0	0	0	0	4,556
with inflation	4,121	300	135	0	0	0	0	0	4,556

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Calabazas Creek, Capacity Improvement	4,972	73	624	0	0	0	0	0	0	5,045

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by approximately $489,000. Excess funding will roll to reserves upon completion of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	5,017
City of Santa Clara	28
Total	5,045

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Miller Avenue to Wardell Road**
Program	Flood Protection – West Valley Watershed
Priority No.	45
Project No.	26104001
District Contact	Katherine Oven koven@valleywater.org

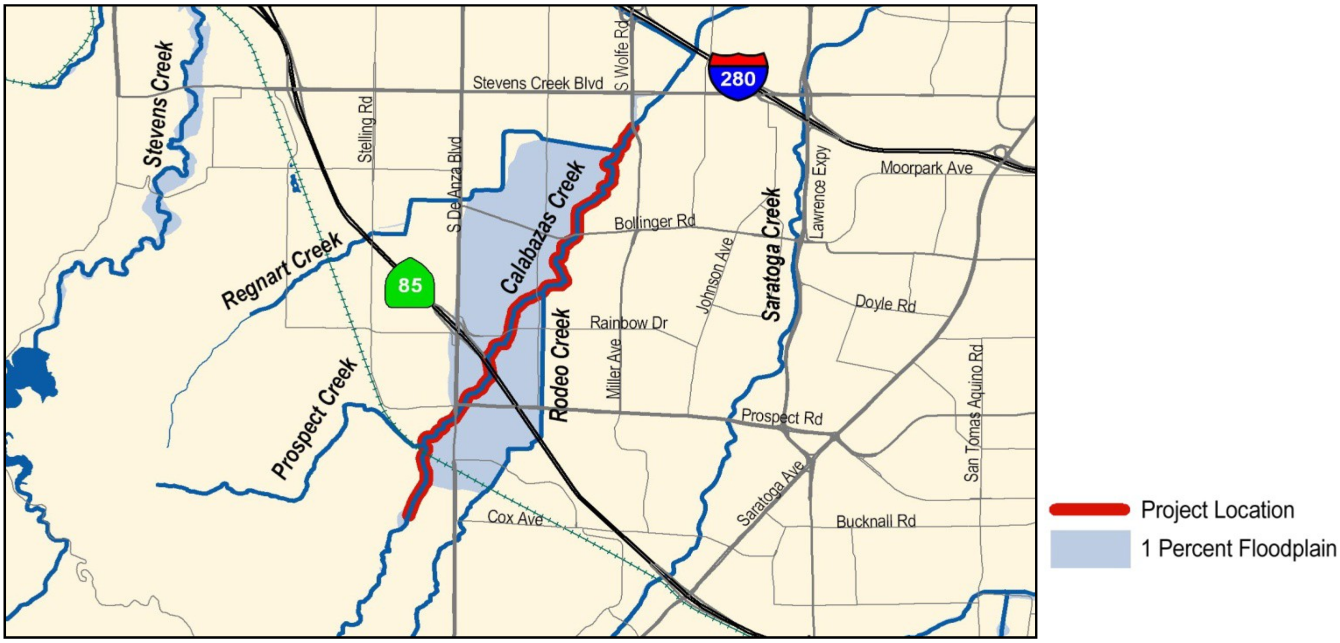
Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

PROJECT LOCATION

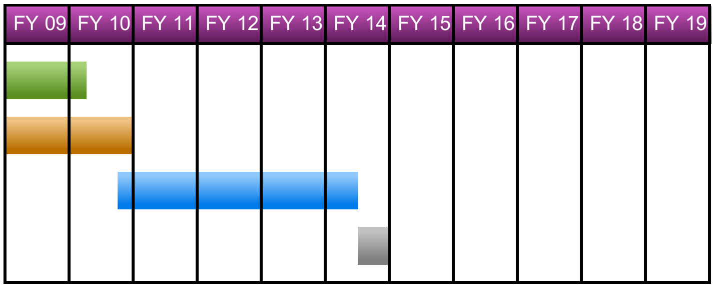


SCHEDULE & STATUS

December 2003 to June 2014

Construction Phase includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	5,847
Design	2,411
Construct	10,470
Closeout	100
	18,828



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Calabazas Creek, Miller Avenue to Wardell Road	6,108	1,150	9,108	1,322	480	510	150	0	18,828
with inflation	6,108	1,150	9,108	1,457	571	654	184	0	19,232

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Calabazas Creek, Miller Avenue to Wardell Road	6,157	1,101	0	9,108	1,457	571	654	184	0	19,232

Adjusted Budget includes adopted budget plus a planned budget adjustment of $207,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	19,232
Other Funding Source	0
Total	19,232

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

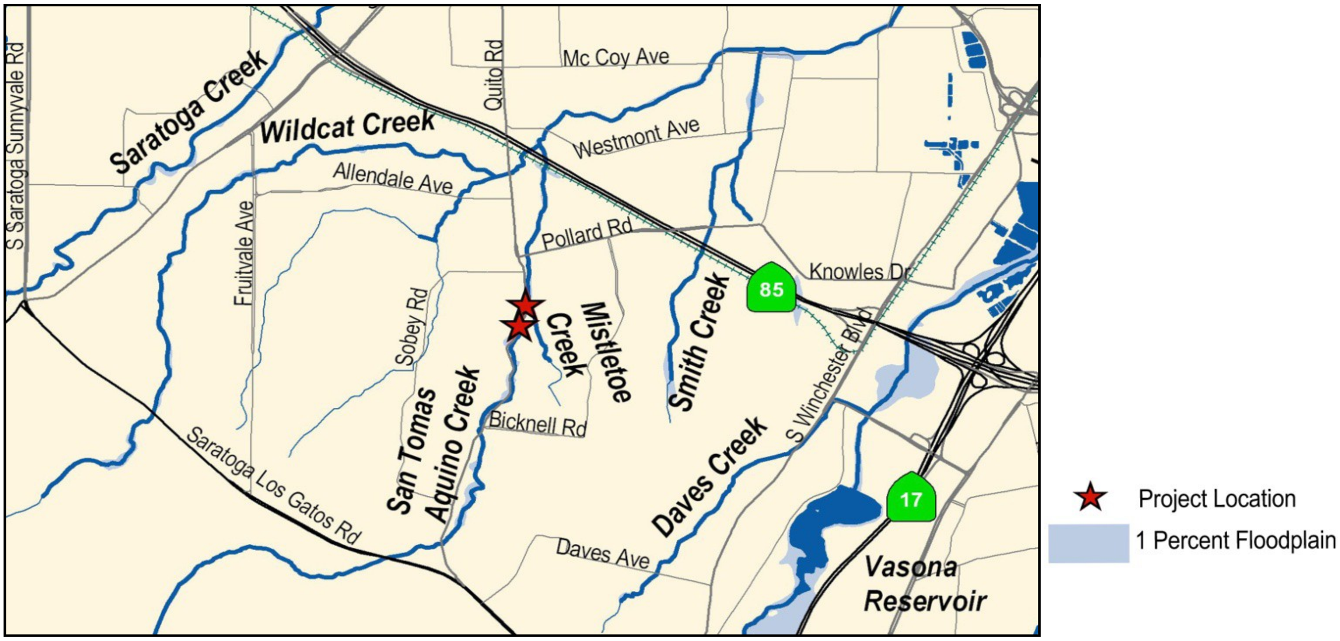
Project	**San Tomas Creek, Quito Road Bridges Replacement**
Program	Flood Protection – West Valley Watershed
Priority No.	38
Project No.	20194005
District Contact	Chris Elias celias@valleywater.org

San Tomas Aquino Creek, looking upstream at one of the Quito Road bridge crossings and an adjacent pedestrian footbridge.

PROJECT DESCRIPTION

This project partners with the City of Saratoga, the Town of Los Gatos, and Caltrans to plan, design, and construct two bridge replacements on San Tomas Aquino Creek at Quito Road, to provide one-percent flood protection.

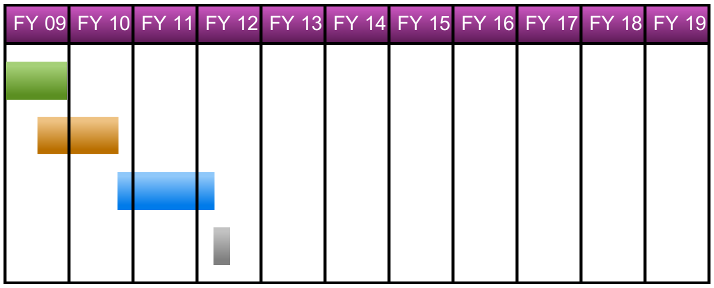
PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to December 2011

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
San Tomas Creek, Quito Road Bridges Replacement	292	200	21	20	20	0	0	0	553
with inflation	292	200	21	22	23	0	0	0	557

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
San Tomas Creek, Quito Road Bridges Replacement	418	82	8	13	22	23	0	0	0	557

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	557
Other Funding Source	0
Total	557
Local Partner–City of Saratoga–5%	180
Local Partner–Town of Los Gatos–5%	180
State Partner–Highway Bridge Replacement and Rehabilitation Program CALTRANS–85%	3,064

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease District operating costs as the facility is owned by the City of Saratoga.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale East and West Channel Planning**
Program	Flood Protection – West Valley Watershed
Priority No.	85
Project No.	26074002
District Contact	Katherine Oven koven@valleywater.org

Sunnyvale West Channel looking upstream from Java Drive

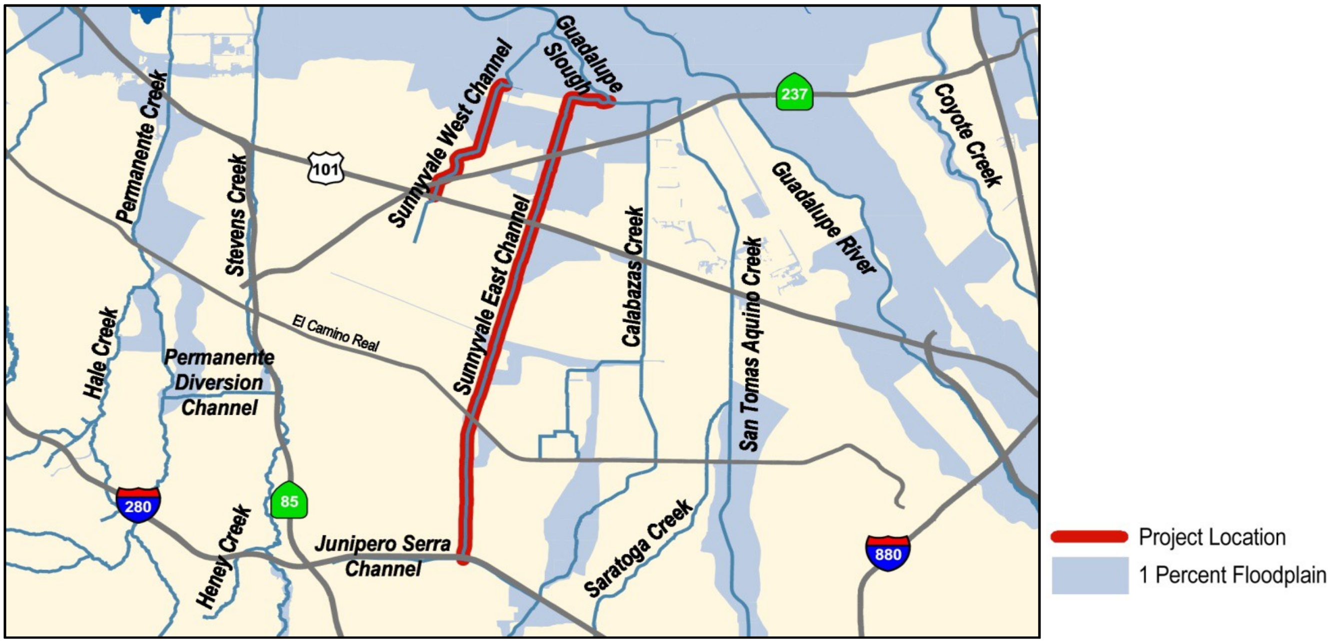
PROJECT DESCRIPTION

This project plans improvements to approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, and 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection to over 1,600 parcels along Sunnyvale East and West Channels.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion, sedimentation, and maintenance costs.
- Protect fish and wildlife habitat.

The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning phase for both projects will be performed as a single effort. After completion of planning, the design and construction phases for each project will be undertaken separately; one project for each channel.

PROJECT LOCATION



SCHEDULE & STATUS

March 2006 to June 2011

(Planning Phase Only)

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	7,361	🟩	🟩	🟩								
Design	-											
Construct	-											
Closeout	-											
	7,361											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale East and West Channel Planning	3,442	1,265	2,152	502	0	0	0	0	7,361
with inflation	3,442	1,265	2,152	545	0	0	0	0	7,404

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale East and West Channel Planning	4,938	930	1,161	991	545	0	0	0	0	7,404

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	7,404
Other Funding Source	0
Tota	7,404

OPERATING COST IMPACTS

Planning Only. No operating cost impacts are anticipated from the construction of this project.

USEFUL LIFE: Not Available

Project	**Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280**
Program	Flood Protection – West Valley Watershed
Priority No.	85
Project No.	26C40232
District Contact	Katherine Oven koven@valleywater.org

Erosion along the Sunnyvale East Channel

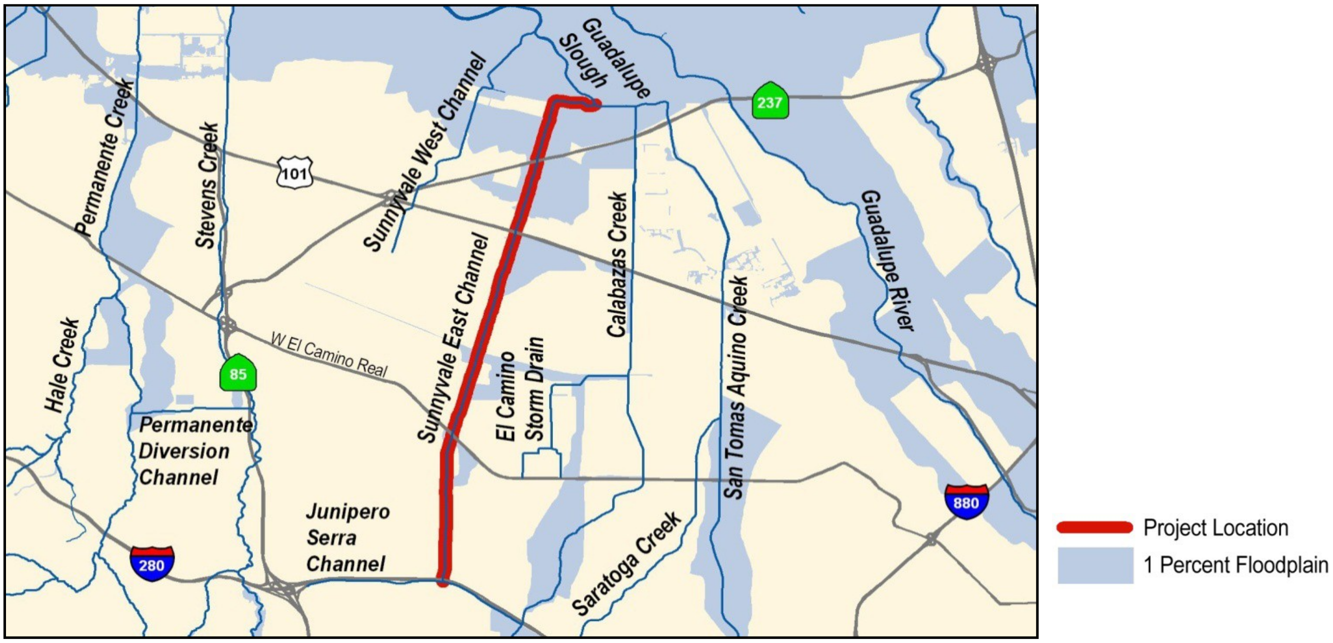
PROJECT DESCRIPTION

This project designs and constructs improvements along approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, to accomplish the following objectives:

- Provide flood protection to over 1,600 parecels along Sunnyvale East Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Improve water quality.
- Reduce maintenance costs.

In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale West Channel in a separate project.

PROJECT LOCATION

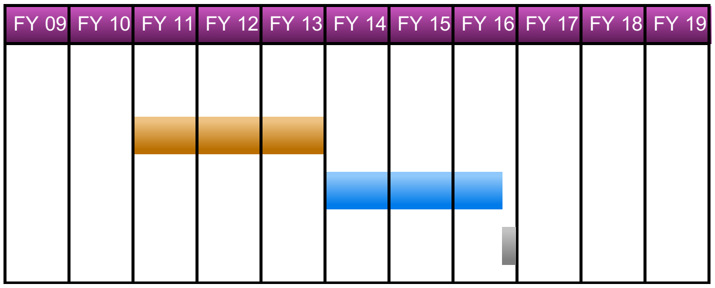


SCHEDULE & STATUS

July 2010 to June 2016

Planning Phase is scheduled as a separate project and combined with Sunnyvale West Channel.

Phase	Cost
Plan	-
Design	12,605
Construct	86,221
Closeout	54
	98,880



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280	0	0	0	3,889	3,889	4,827	41,985	44,290	98,880
with inflation	0	0	0	4,223	4,400	5,690	51,574	56,815	122,702

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280	0	0	0	0	4,223	4,400	5,690	51,574	56,815	122,702

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	122,702
Other Funding Source	0
Total	122,702

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101**
Program	Flood Protection – West Valley Watershed
Priority No.	49
Project No.	26C40234
District Contact	Katherine Oven koven@valleywater.org

Sunnyvale West flooding upstream off Caribbean Drive in 1983.

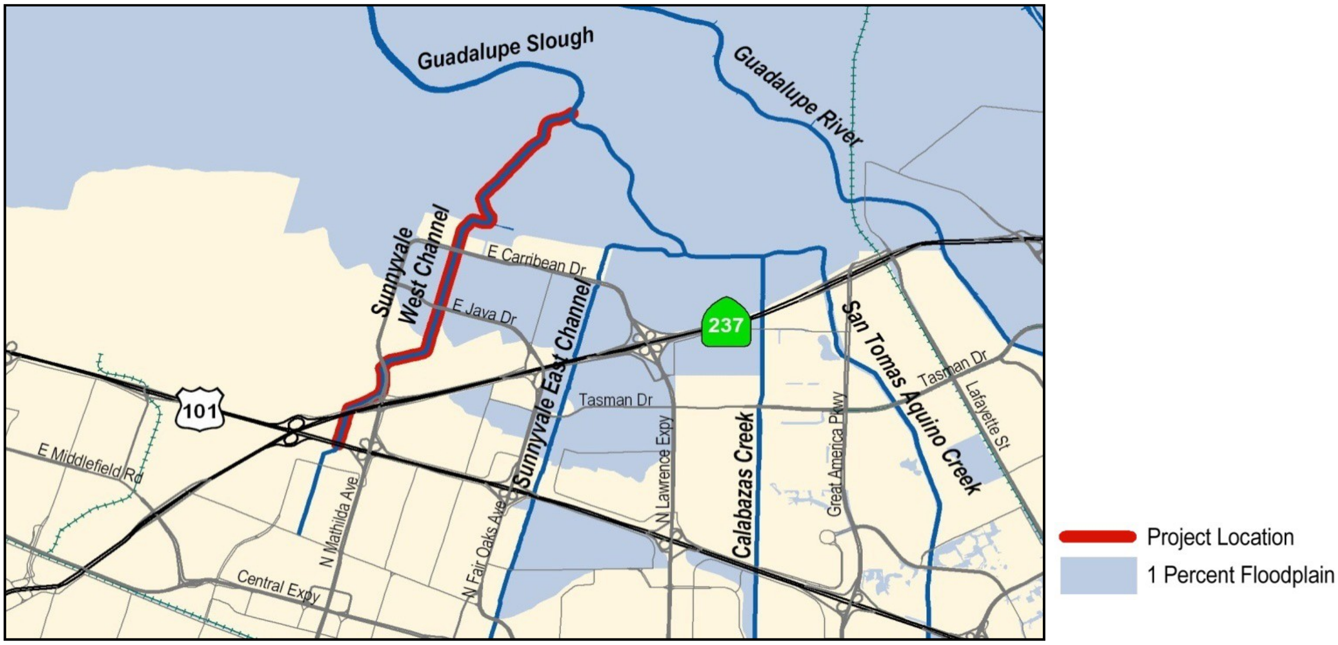
PROJECT DESCRIPTION

This project designs, and constructs improvements on 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection to approximatley 50 acres of high-tech commercial establishments along Sunnyvale West Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Reduce maintenance costs.
- Protect fish and wildlife habitat.

In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale East Channel in a separate project.

PROJECT LOCATION

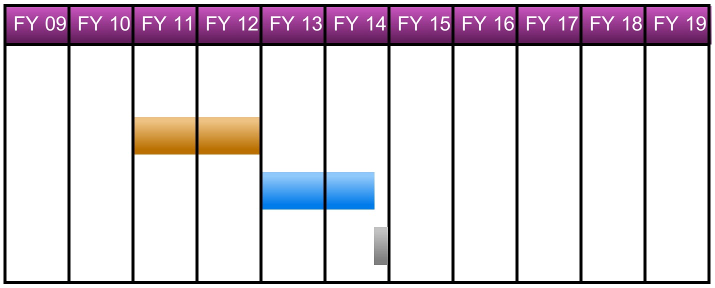


SCHEDULE & STATUS

July 2010 to June 2014

Planning Phase is scheduled as a separate project and combined with Sunnyvale East Channel.

Phase	Cost
Plan	-
Design	1,878
Construct	8,488
Closeout	54
	10,420



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101	0	0	0	939	939	7,892	650	0	10,420
with inflation	0	0	0	1,020	1,062	10,266	798	0	13,147

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101	0	0	0	0	1,020	1,062	10,266	798	0	13,147

FUNDING SOURCES

(in thousands $)

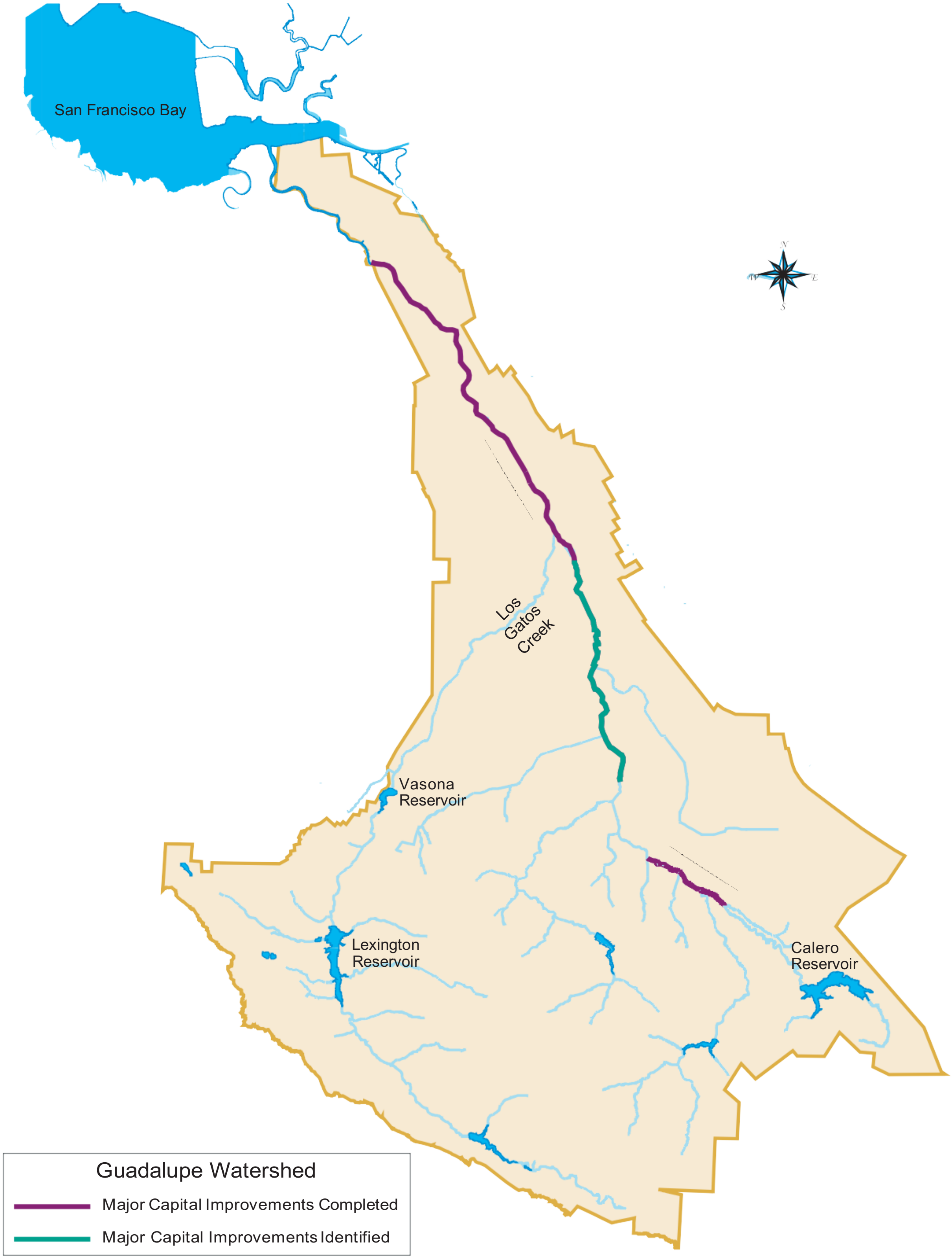
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	13,147
Other Funding Source	0
Total	13,147

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS



Guadalupe Watershed Project Page

Project	**Guadalupe River–Lower, Alviso Marina to Interstate 880**
Program	Flood Protection – Guadalupe Watershed
Priority No.	84
Project No.	30154011
District Contact	Katherine Oven koven@valleywater.org

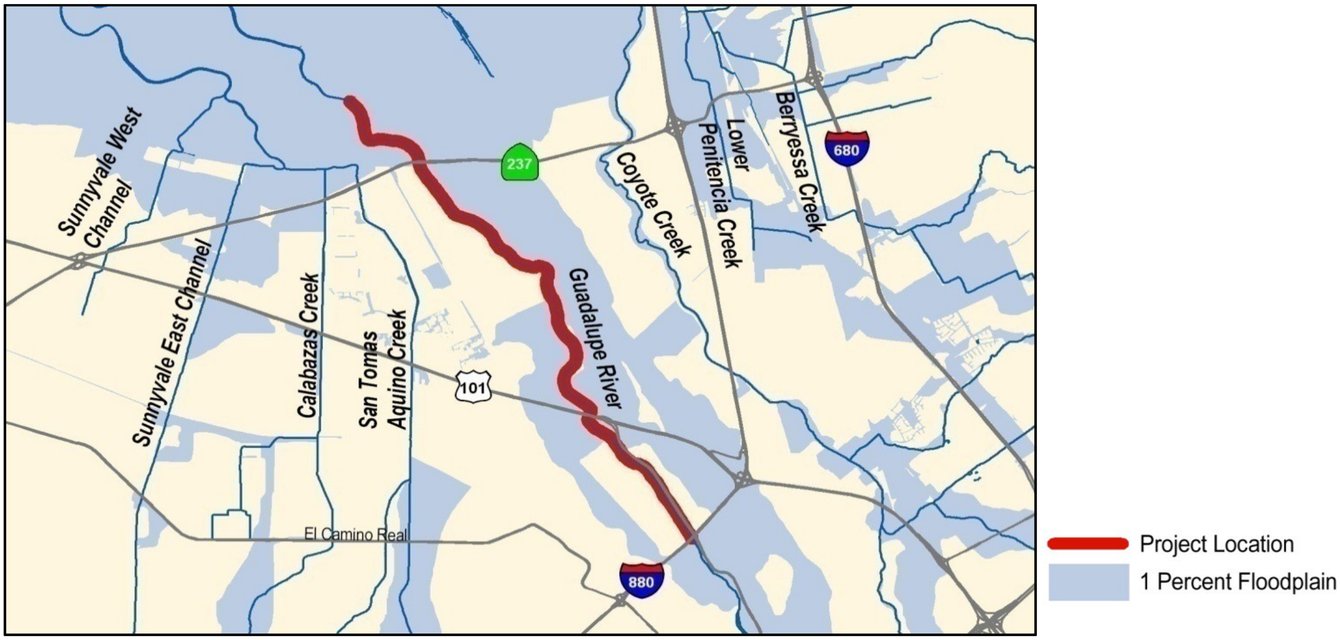
Floodwall construction on Lower Guadalupe River, July 2003

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 6 miles of lower Guadalupe River, from the Alviso Marina to Interstate 880 to accomplish the following objectives:

- Eliminate the potential for flood damage to people and property during a one-percent flood event.
- Reduce bank erosion and sedimentation-related impacts along the lower Guadalupe River.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore some of the lost historic functions and value of the riparian corridor where feasible.
- Provide long-term riparian habitat improvement to offset impacts resulting from constructing flood control facilities.
- Provide mitigation for unavoidable adverse impacts on environmental resources.
- Provide opportunities to protect and enhance the existing wetlands and riparian habitat, and improve conditions favoring Chinook salmon and steelhead trout.
- Provide, where possible, continuous maintenance access along the river, which can be used as a trail.
- Identify potential project impacts on Alviso and bay land areas and mitigate for unavoidable adverse impacts.
- Specify best management practices to protect water quality.

PROJECT LOCATION



SCHEDULE & STATUS

June 1999 to June 2010

Planning phase is complete.
Design phase is complete.
Construction phase includes 3 years of plant establishment monitoring.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	n/a	▨	▨									
Closeout	n/a		▨									
	0											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe River–Lower, Alviso Marina to Interstate 880	88,257	1,324	162	0	0	0	0	0	89,743
with inflation	88,257	1,324	162	0	0	0	0	0	89,743

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe River–Lower, Alviso Marina to Interstate 880	89,434	147	0	162	0	0	0	0	0	89,743

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	87,292
City of San Jose	2,451
Total	**89,743**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $455,000 per year, beginning in FY 2011, due to increases in labor and equipment resources needed to ensure that routine stream maintenance practices are conducted in a manner consistent with the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River—Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection -Guadalupe Watershed
Priority No.	67
Project No.	30154013s
District Contact	Katherine Oven koven@valleywater.org

West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTON

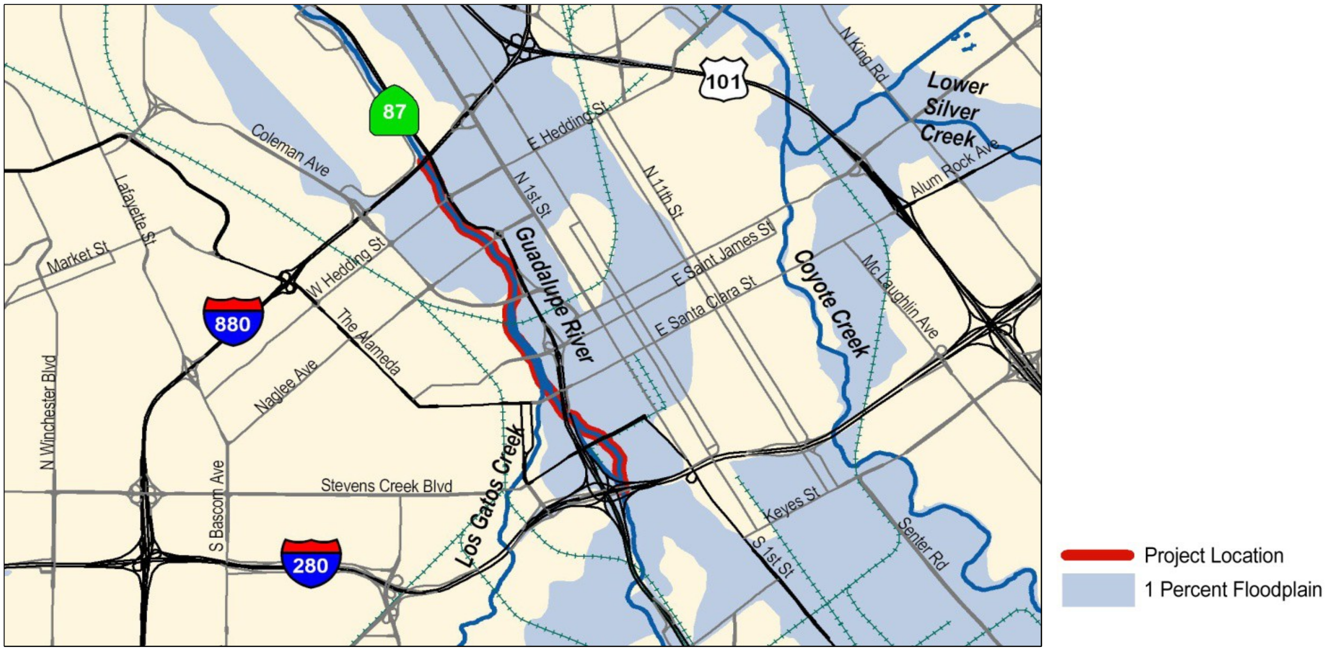
This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the Corps, City of San Jose, and San Jose Redevelopment Agency.

This project is accounted for in the following job numbers:

- 30154013—Interstate 880 to Heading
- 30154014—Hedding to Coleman
- 30154015—Coleman to Santa Clara
- 30154016—Santa Clara to Park
- 30154017—Woz Way to Interstate 280
- 30154018—Guadalupe River, Escrow

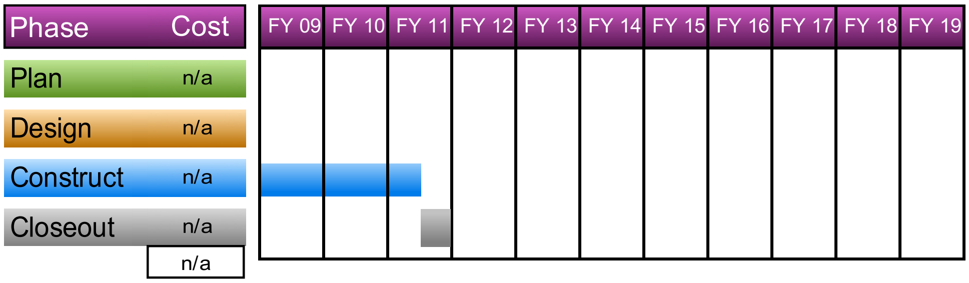
PROJECT LOCATION



PROJECT SCHEDULE

March 1990 to June 2011

Planning, design and most of the planned construction is complete.



Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe Rv—DT, I-880 to Hedding	1,209	15	589	0	0	0	0	0	1,813
with inflation	1,209	15	589	0	0	0	0	0	1,813
Guadalupe Rv—DT, Hedding to Coleman	10,109	40	653	0	0	0	0	0	10,802
with inflation	10,109	40	653	0	0	0	0	0	10,802
Guadalupe Rv—DT, Coleman-W. Santa Clara	27,799	6,018	313	500	0	0	0	0	34,630
with inflation	27,799	6,018	313	543	0	0	0	0	34,673
Guadalupe Rv—DT, W. Santa Clara to Park	10,375	1,275	104	0	0	0	0	0	11,754
with inflation	10,375	1,275	104	0	0	0	0	0	11,754
Guadalupe Rv—DT, Woz to I-280	8,812	1,176	104	0	0	0	0	0	10,092
with inflation	8,812	1,176	104	0	0	0	0	0	10,092
Guadalupe Rv—DT, Escrow	36,014	0	0	0	0	0	0	0	36,014
with inflation	36,014	0	0	0	0	0	0	0	36,014
TOTAL	**94,318**	**8,524**	**1,763**	**500**	**0**	**0**	**0**	**0**	**105,105**
with inflation	94,318	8,524	1,763	543	0	0	0	0	105,148

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe Rv—DT, I-880 to Hedding	1,636	33	445	144	0	0	0	0	0	1,813
Guadalupe Rv—DT, Hedding to Coleman	10,551	127	529	124	0	0	0	0	0	10,802
Guadalupe Rv—DT, Coleman-W. Santa Clara	34,120	141	444	0	412	0	0	0	0	34,673
Guadalupe Rv—DT, W. Santa Clara to Park	11,939	0	289	0	0	0	0	0	0	11,939
Guadalupe Rv—DT, Woz to I-280	9,985	4	1	103	0	0	0	0	0	10,092
Guadalupe Rv—DT, Escrow	36,144	0	130	0	0	0	0	0	0	36,144
TOTAL	**104,375**	**305**	**1,838**	**371**	**412**	**0**	**0**	**0**	**0**	**105,463**

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $315,000 more than planned expenditures. Unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	51,199
State of California	30,588
City of San Jose	1,272
City of San Jose Redevelopment Agency	9,904
Corps of Engineers - ARRA	12,500
Total	**105,463**
Federal Partner–Corps of Engineers	170,500
Total	

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $450,000 per year, with approximately $150,000 beginning in FY 2009 and the remaining $300,000 beginning in FY 2011. Increased costs are primarily due to increased channel width and adaptive management and monitoring costs described in the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection -Guadalupe Watershed
Priority No.	52
Project No.	26154001s
District Contact	Katherine Oven koven@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

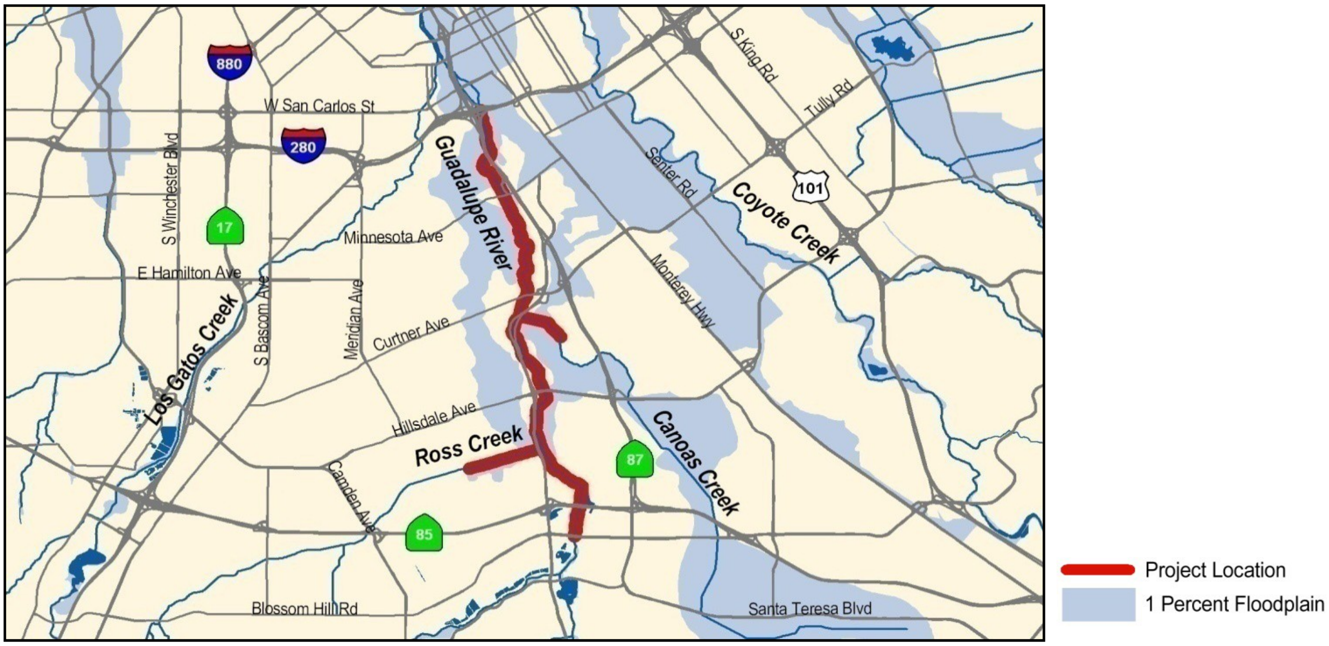
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection to nearly 7,000 parcels along the Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

- 26154001—Fish Passage Modification
- 26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
- 26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

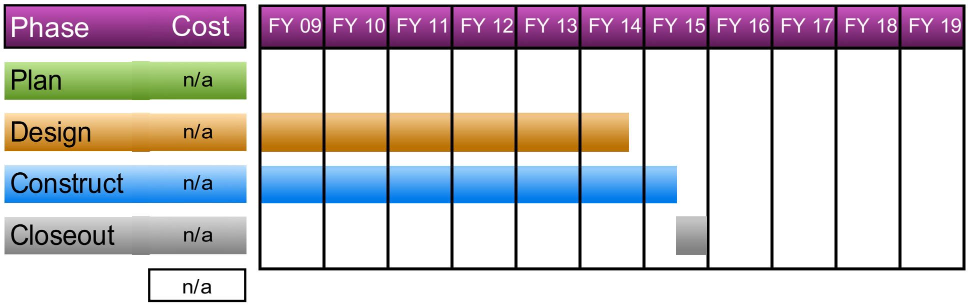
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to May 2015

Planning phase is complete. Design and construction of eight individual reaches are done sequentially.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe Rv—Upper, Fish Passage Mods	1,486	1,360	0	0	0	0	0	0	2,846
with inflation	1,486	1,360	0	0	0	0	0	0	2,846
Guadalupe Rv—Upper, I-280 to SPRR (R6)	13,787	21,600	1,160	1,207	490	415	415	0	39,074
with inflation	13,787	21,600	1,160	1,311	554	489	510	0	39,411
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	16,311	4,134	13,717	9,340	13,290	5,081	3,805	2,120	67,798
with inflation	16,311	4,134	13,717	10,443	15,956	6,376	4,674	2,714	74,324
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	39,471	27,094	14,877	10,547	13,780	5,496	4,220	2,120	117,605
with inflation	39,471	27,094	14,877	11,753	16,510	6,865	5,184	2,714	124,468

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Guadalupe Rv—Upper, Fish Passage Mods	2,585	261	0	0	0	0	0	0	0	2,846
Guadalupe Rv—Upper, I-280 to SPRR (R6)	13,510	22,559	682	478	1,311	554	489	510	0	39,411
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	29,285	10,357	19,197	0	4,963	15,956	6,376	4,674	2,714	74,324
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	53,267	33,177	19,879	478	6,273	16,510	6,865	5,184	2,714	124,468

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

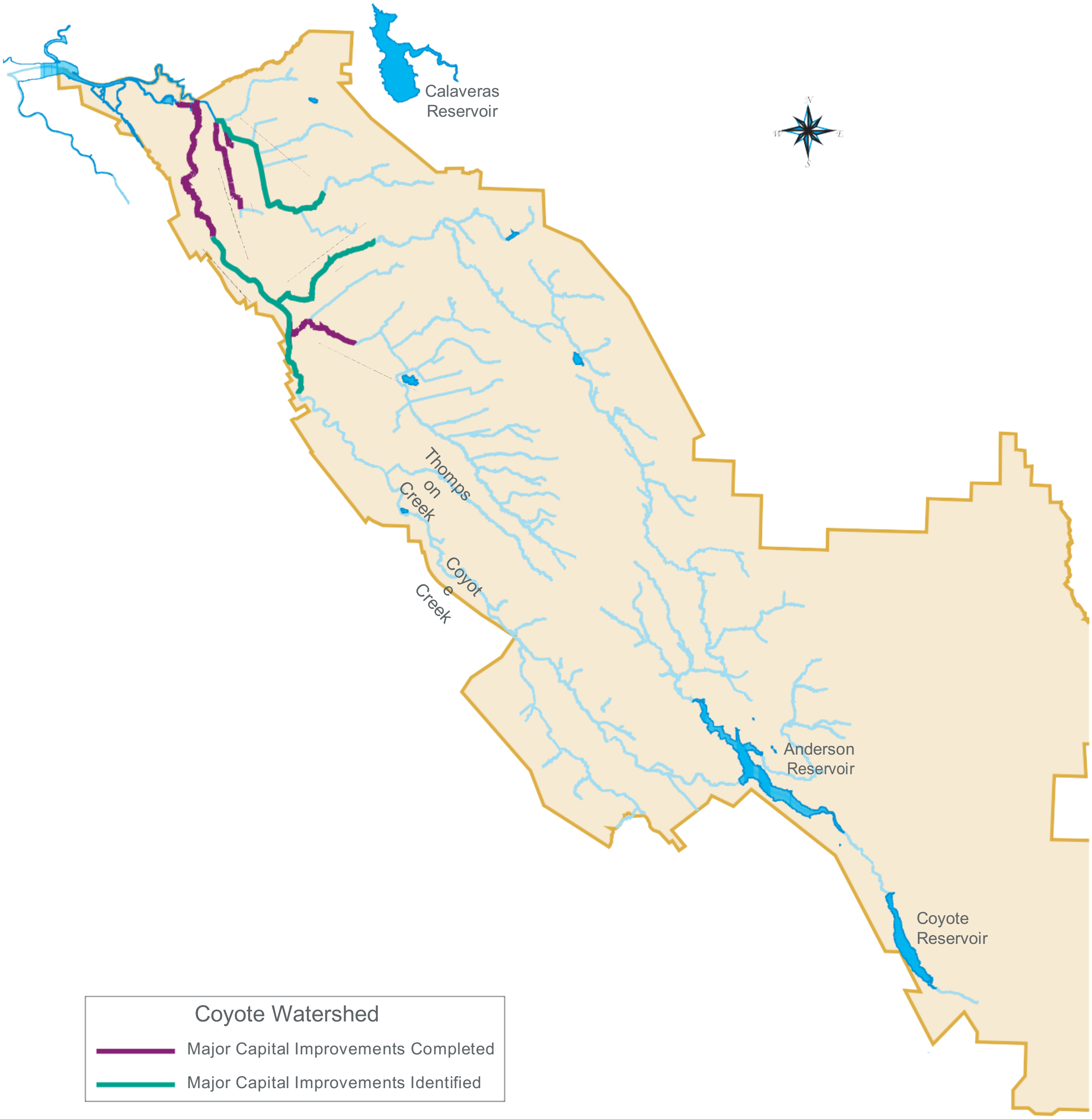
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	71,612
State of California	49,128
City of San Jose	3,728
Total	124,468
Federal Partner–Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $480,000 per year, beginning in FY 2015, for labor and equipment resources for mitigation and monitoring , implementation of adaptive management measures, and operations and maintenance in accordance with the Corps Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years


Calaveras Reservoir
N
W
E
S
Thomps on Creek
Coyot e Creek
Anderson Reservoir
Coyote Reservoir
Coyote Watershed
Major Capital Improvements Completed
Major Capital Improvements Identified

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	42
Project No.	26174041s
District Contact	Katherine Oven koven@valleywater.org

Berryessa Creek near flood stage at Piedmont Road in San Jose.

PROJECT DESCRIPTION

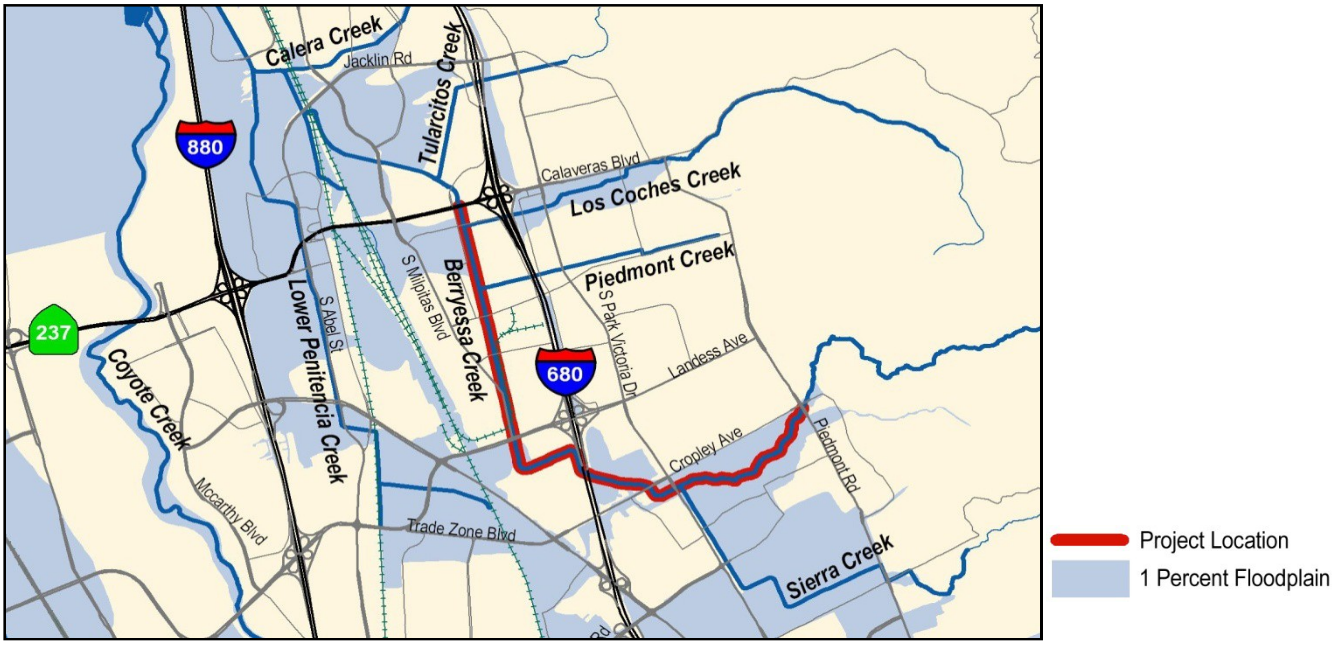
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:

26174041—Coordination with Corps
26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

PROJECT LOCATION

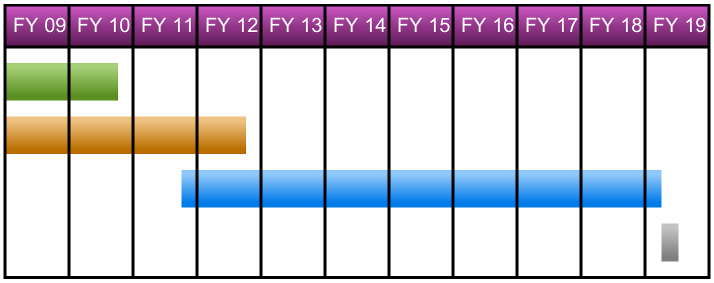


PROJECT SCHEDULE

July 2001 to December 2018

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	5,124
Design	6,532
Construct	8,280
Closeout	110
	20,046



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	4,813	535	1,047	2,620	140	90	90	185	9,520
with inflation	4,813	535	1,047	2,987	158	106	111	255	10,012
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	440	265	4,451	4,553	253	163	163	238	10,526
with inflation	440	265	4,451	5,198	286	192	200	309	11,341
TOTAL	5,253	800	5,498	7,173	393	804	817	1,410	20,046
with inflation	5,253	800	5,498	8,184	445	298	311	564	21,353

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	5,399	775	826	221	2,987	158	106	111	255	10,012
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	3,545	1,196	4,036	415	5,198	286	192	200	309	11,341
TOTAL	8,944	1,971	4,862	636	8,184	445	298	311	564	21,353

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	13,753
State of California	7,600
Tota	21,353
Federal Partner–Corps of Engineers	19,000

OPERATING COST IMPACTS

Estimated operating impacts will be available upon completion of the planning phase.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Priority No.	83
Project No.	40174004
District Contact	Katherine Oven koven@valleywater.org

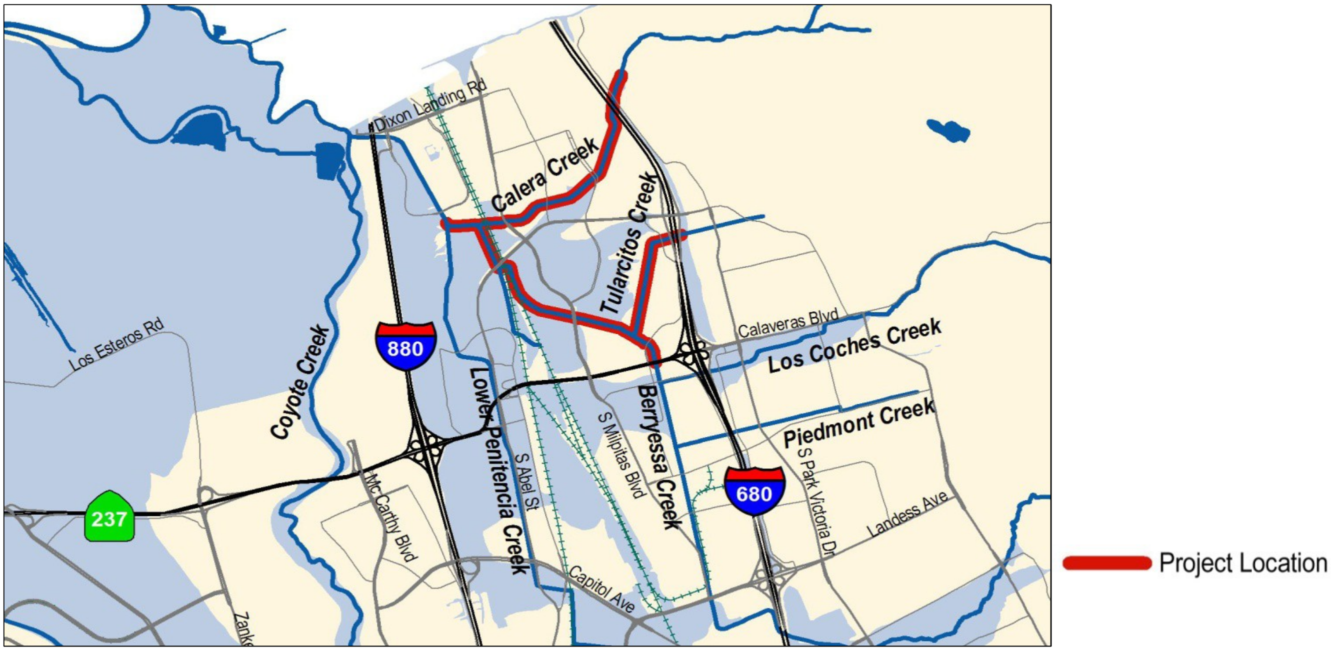
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek an its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives

PROJECT LOCATION

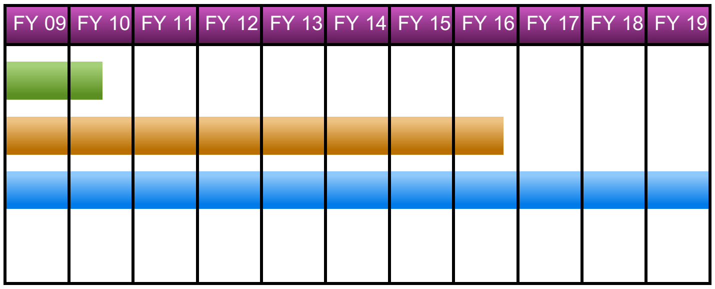


SCHEDULE & STATUS

March 2001 to June 2021

Construction includes five phases and three years of plant establishment monitoring.

Phase	Cost
Plan	5,957
Design	6,220
Construct	37,455
Closeout	45
	49,677



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	8,034	18,080	2,672	7,956	425	1,700	240	10,570	49,677
with inflation	8,034	18,080	2,672	8,949	481	2,156	295	14,219	54,886

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	20,142	7,730	1,758	914	8,949	481	2,156	295	14,219	54,886

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	54,886
Other Funding Source	0
Total	54,886

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $100,000 per year. Operating costs will increase with completion of construction of each of 5 phases: beginning with a $50,000 increase in FY 2011 (with completion of Phases 1 & 2), increasing to $65,000 in FY 2012 (Phase 3), increasing to $80,000 in FY 2014 (Phase 4), and finally increasing by a total of $100,000 in FY 2017 (Phase 5). These costs will be for increased maintenance activities such as sediment removal, vegetation management, levee maintenance, graffiti abatement, and trash & debris cleanup.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	47
Project No.	26174043
District Contact	Katherine Oven koven@valleywater.org

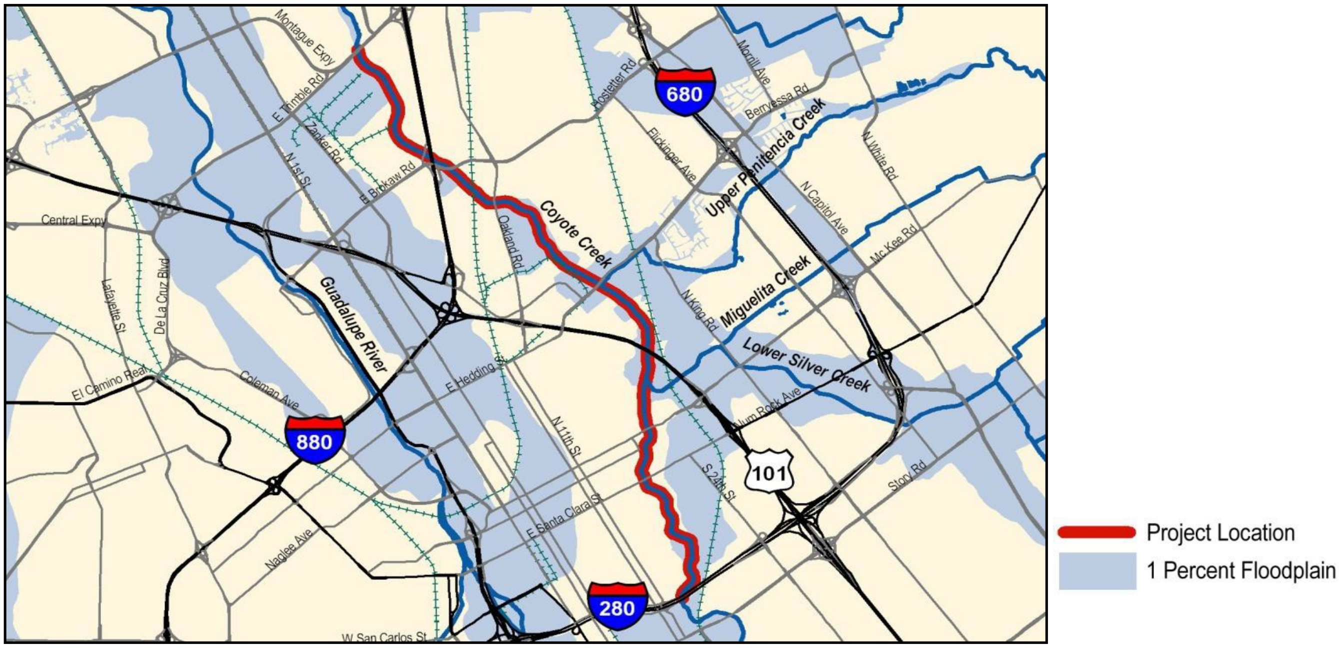
Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

- Provide flood protection to the surrounding area.
- Mitigate for project impacts to stream habitat and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Create a self-sustaining system within the project limits, to reduce long-term operations and maintenance costs.
- Obtain community support.

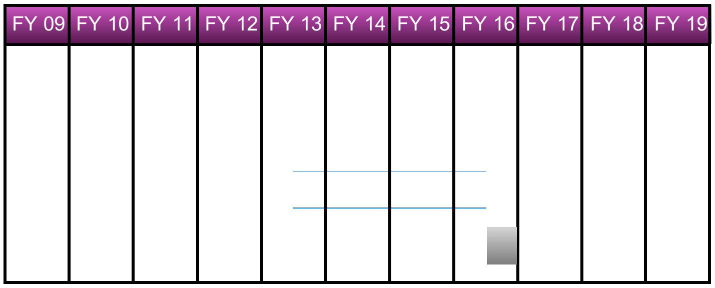
PROJECT LOCATION



SCHEDULE & STATUS

September 2002 to June 2016

Phase	Cost
Plan	9,912
Design	13,682
Construct	9,718
Closeout	60
	33,372



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	6,491	1,100	3,151	1,127	7,824	4,244	6,300	3,135	33,372
with inflation	6,491	1,100	3,151	1,224	9,182	5,095	7,739	4,031	38,012

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	9,410	0	1,819	1,332	1,224	9,182	5,095	7,739	4,031	38,012

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	38,012
Other Funding Source	0
Total	**38,012**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Currently the District has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Project implementation may include acquisition of continuous right of way for construction and future operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)**
Program	Flood Protection - Coyote Watershed
Priority No.	46
Project No.	40264001s
District Contact	Katherine Oven koven@valleywater.org

Lower Silver Creek upstream of San Antonio Road

PROJECT DESCRIPTION

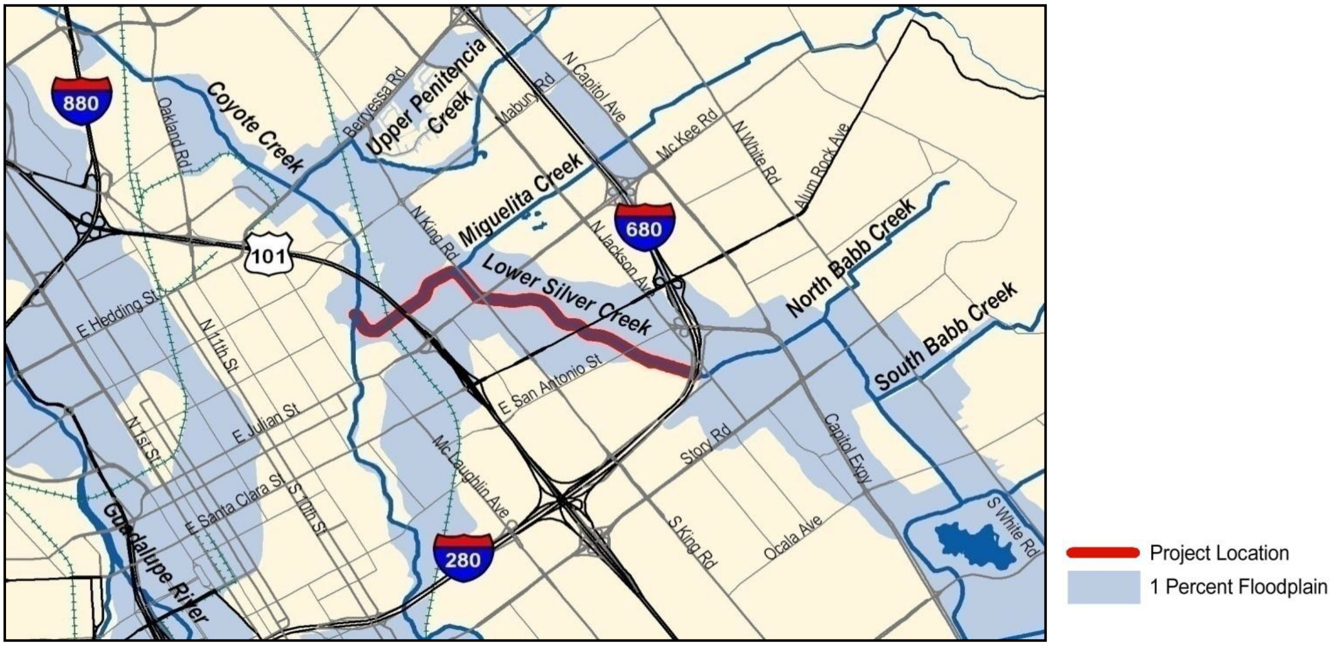
This project partners with the Natural Resource Conservation Service (NRCS) to plan, design, and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Coyote Creek to Interstate 680, to accomplish the following objectives:

- Provide one-percent flood protection to properties in the surrounding area.
- Provide on-site mitigation for project impacts, improve stream habitat values, and improve fisheries potential.
- Identify opportunities for additional enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve pedestrian bridges crossing Lower Silver Creek.
- Facilitate the opportunity for future pedestrian trails along Lower Silver Creek.

This project is accounted for in the following job numbers:

- 40264003—Reach 1-2, Coyote Ck to McKee Rd
- 40264001—Reach 3, McKee Rd to I-680
- 40264009—Reimbursable work—Lands, Easements, Rights of Way, Relocations, and Disposal (LERRDs)

PROJECT LOCATION



PROJECT SCHEDULE

January 1990 to June 2010

Planning phase is complete.
Design phase is complete.
Construction of Reaches 1-2 are complete.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	n/a											
~~Closeout~~	n/a											
	n/a											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Lower Silver Ck—Coyote Ck to McKee Rd (R1-2)	20,507	0	0	0	0	0	0	0	20,507
with inflation	20,507	0	0	0	0	0	0	0	20,507
Lower Silver Ck—McKee Rd to I-680 (R3)	35,309	450	0	0	0	0	0	0	35,759
with inflation	35,309	450	0	0	0	0	0	0	35,759
Lower Silver Ck—Coyote Ck to I-680 Reimbursable	22,579	50	302	0	0	0	0	0	22,931
with inflation	22,579	50	302	0	0	0	0	0	22,931
TOTAL	**78,395**	**500**	**302**	**0**	**0**	**0**	**0**	**0**	**79,197**
with inflation	**78,395**	**500**	**302**	**0**	**0**	**0**	**0**	**0**	**79,197**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Lower Silver Ck—Coyote Ck to McKee Rd (R1-2)	20,507	0	0	0	0	0	0	0	0	20,507
Lower Silver Ck—McKee Rd to I-680 (R3)	35,508	251	0	0	0	0	0	0	0	35,759
Lower Silver Ck—Coyote Ck to I-680 Reimbursable	23,085	0	456	0	0	0	0	0	0	23,085
TOTAL	**79,100**	**251**	**456**	**0**	**0**	**0**	**0**	**0**	**0**	**79,351**

Adjusted Budget includes adopted budget plus a planned budget adjustment of $187,000 for Reach 3. Project funding exceeds planned expenditures by approximately $154,000 for the reimbursable project. Any remaining funds will go to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	75,186
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	4,000
State of California	20,343
Natural Resource Conservation Service	165
Total	**79,351**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase Reach 1-3 operations costs by approximately $100,000 per year, beginning in FY 2009. The increases are primarily due to the increase creek area (vegetation maintenance and trash removal) and the increase amount of concrete structures (graffiti removal).

USEFUL LIFE: 30+ Years

Project	**Lower Silver Creek, I-680 to Cunningham Lake Reimbursable (R46)**
Program	Flood Protection – Coyote Watershed
Priority No.	50
Project No.	40264008s
District Contact	Katherine Oven koven@valleywater.org

Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham.

PROJECT DESCRIPTION

This project is part of a flood control project that partners with the Natural Resource Conservation Service (NRCS) to plan, design and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible for reimbursement from the State and helps to accomplish the following objectives:

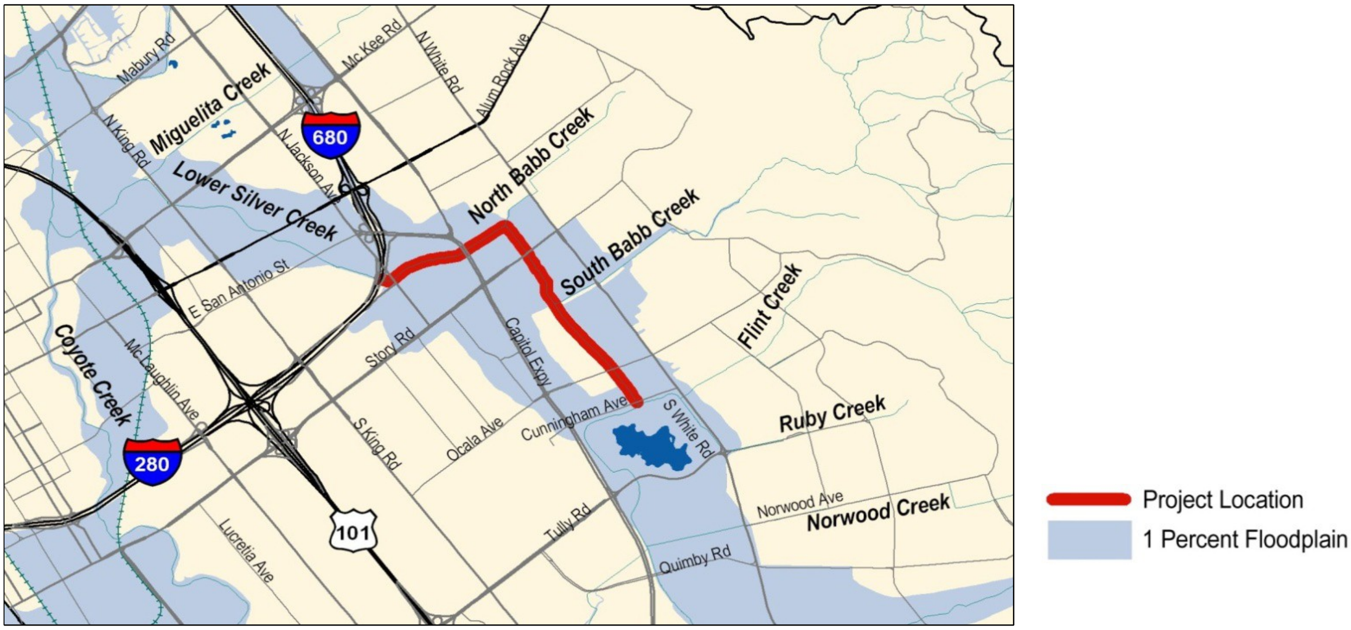
- Increase flood protection to 5,400 properties in the surrounding area.
- Allow for on-site mitigation of project impacts, and in some cases enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve vehicle and pedestrian bridges crossing Lower Silver Creek.

This project is accounted for in the followig job numbers:

40264008--Lower Silver Creek (Reach 4-5) Nonreimbursable
40264012--Lower Wilver Creek (Reach 4-5) Reimbursable

The project is partially funded. The American Recovery and Reinvestment Act of 2009 appropriated $18 million to continue project construction upstream of I-680. Planned expenditures have been identified, but not scheduled. An approved expenditure and reimbursement schedule will be developed early in FY 2010 and submitted for Board approval.

PROJECT LOCATION

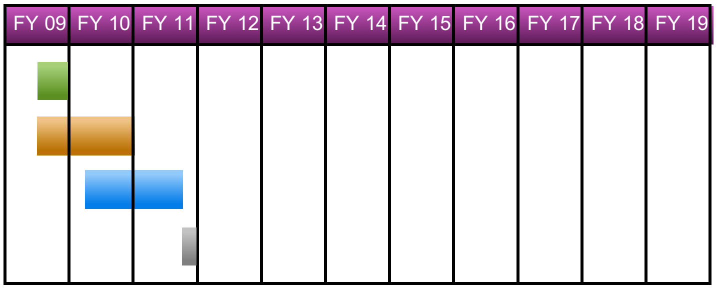


SCHEDULE & STATUS

July 2008 to June 2011

Most of the planning was done as part of the Lower Silver Reach 1-3 project.

Phase	Cost
Plan	-
Design	1,442
Construct	5,802
Closeout	15
	7,259



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Lower Silver Creek, Nonreimbursable (R4-6)	6,389	1,250	1,028	0	0	0	0	0	8,667
with inflation	6,389	1,250	1,028	0	0	0	0	0	8,667
Lower Silver Creek, LERRDs (R4-6)	0	814	1,884	4,561	0	0	0	0	7,259
with inflation	0	814	1,884	5,190	0	0	0	0	7,888
TOTAL	6,389	2,064	2,912	4,561	0	0	0	0	15,926
with inflation	6,389	2,064	2,912	5,190	0	0	0	0	16,555

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Lower Silver Creek, Nonreimbursable (R4-6)	6,389	1,250	0	1,028	0	0	0	0	0	8,667
Lower Silver Creek, LERRDs (R4-6)	0	814	0	1,884	5,190	0	0	0	0	7,888
TOTAL	6,389	2,064	0	2,912	5,190	0	0	0	0	16,555

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	10,025
State of California	6,530
Tota	16,555

Reimbursements from The American Recovery and Revestment Act of 2009 (ARRA) are identified in the project description on the previous page.

OPERATING COST IMPACTS

This project will be done in parts. Operating impacts will be determined upon completion of an expenditure plan.

USEFUL LIFE: 50+ Years

Project	**Thompson Creek Stream Stabilization, Quimby Road to Aborn Road**
Program	Flood Protection – Coyote Watershed
Priority No.	32
Project No.	62214001
District Contact	Katherine Oven koven@valleywater.org

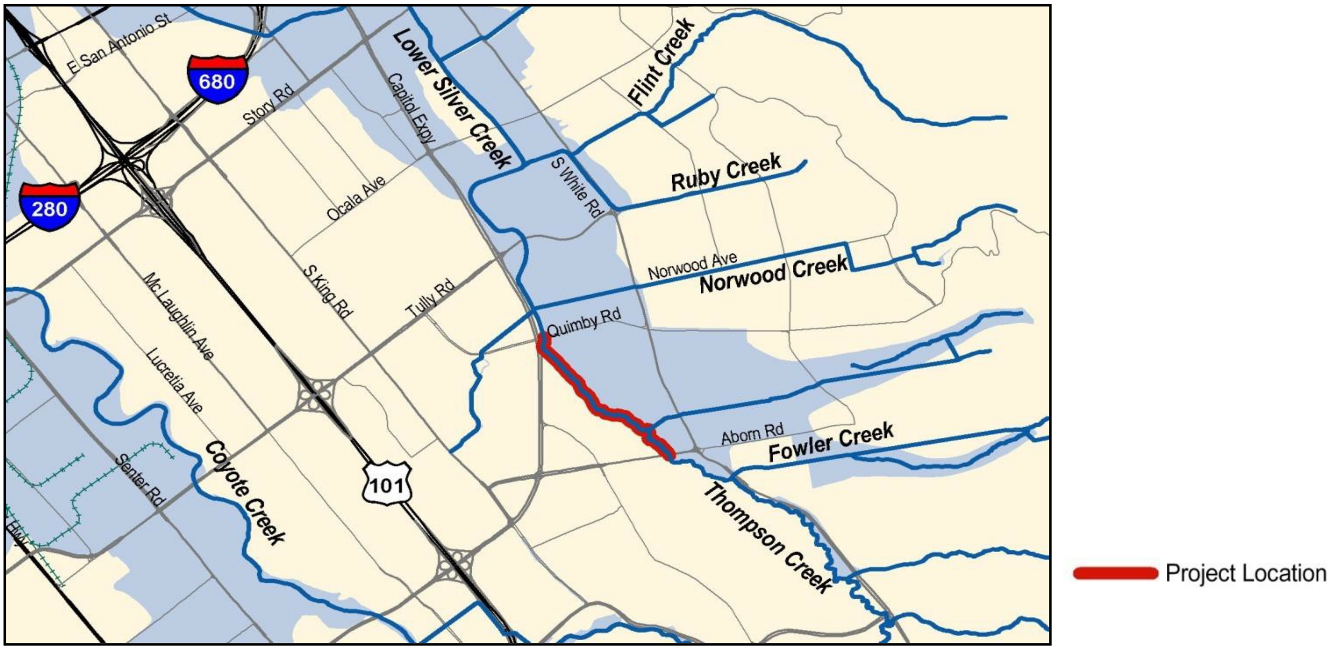
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

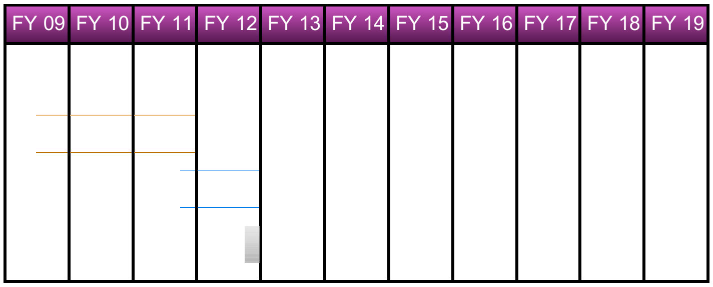
PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2012

Phase	Cost
Plan	210
Design	640
Construct	1,335
Closeout	20
	2,205



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	89	91	119	1,781	125	0	0	0	2,205
with inflation	89	91	119	2,005	141	0	0	0	2,445

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	0	2,076	0	0	189	0	0	0	2,445

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,445
Other Funding Source	0
Total	**2,445**
Federal Partner—Corps of Engineers	4,415

Of the total project cost, the Corps of Engineers will cost-share 65 percent, up to $5 million.

OPERATING COST IMPACTS

Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	54
Project No.	40324003s
District Contact	Katherine Oven koven@valleywater.org

Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

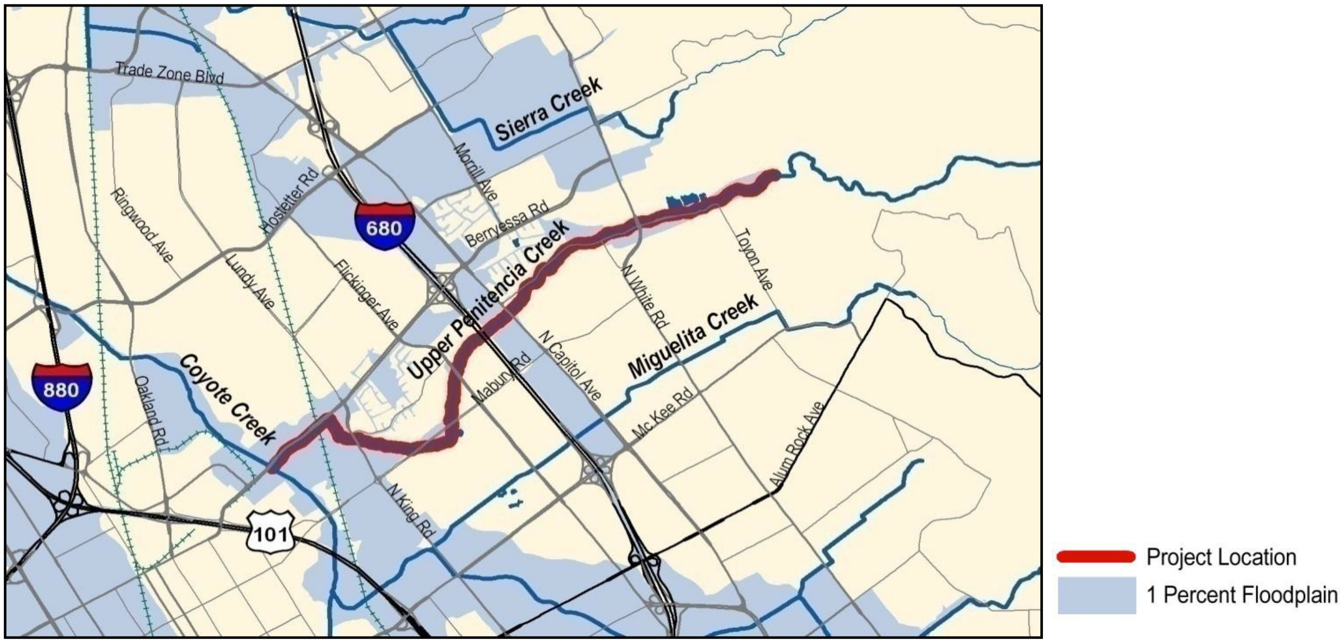
- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:

40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRDs)

This project is funded through the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION



PROJECT SCHEDULE

March 1996 to December 2010

(Planning Phase Only)
Design Phase costs are for land acquisition during planning.

Phase	Cost
Plan	8,632
Design	6,325
Construct	-
Closeout	-
	14,957

FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,615	301	130	125	0	0	0	0	8,171
with inflation	7,615	301	130	136	0	0	0	0	8,182
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	1,701	50	4,161	874	0	0	0	0	6,786
with inflation	1,701	50	4,161	949	0	0	0	0	6,861
TOTAL	**9,316**	**351**	**4,291**	**999**	**0**	**0**	**0**	**0**	**14,957**
with inflation	**9,316**	**351**	**4,291**	**1,085**	**0**	**0**	**0**	**0**	**15,043**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	8,167	0	251	0	15	0	0	0	0	8,182
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	6,618	203	5,070	0	40	0	0	0	0	6,861
TOTAL	**14,785**	**203**	**5,321**	**0**	**55**	**0**	**0**	**0**	**0**	**15,043**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

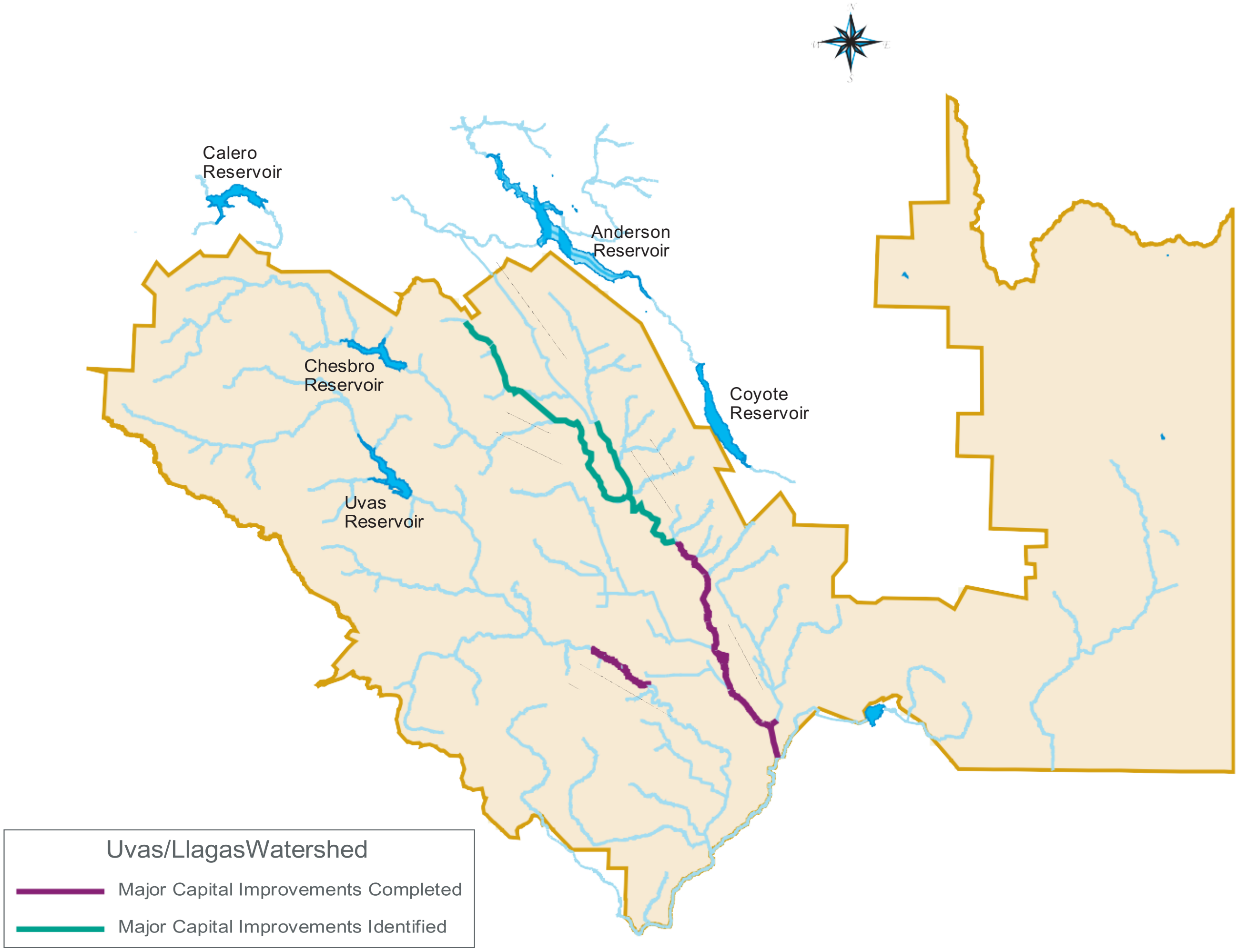
SCVWD Watershed Stream Stewardship Fund	15,043
Other Funding Source	0
Total	**15,043**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

FLOOD PROTECTION CAPITAL IMPROVEMENTS



Uvas/Llagas Watershed Project Pages

Project	**Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	67
Project No.	50284010
District Contact	Katherine Oven koven@valleywater.org

Lower Llagas Creek near Pajaro River

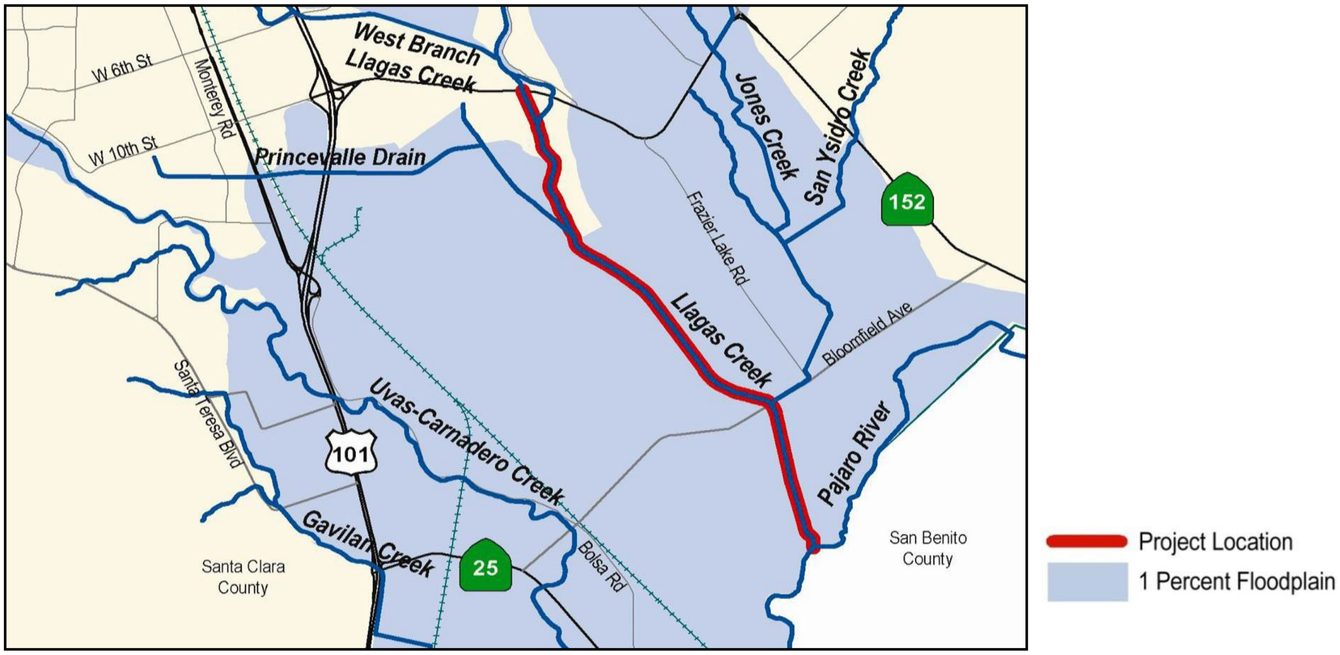
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on approximately 3.35 miles of Lower Llagas Creek, from Hwy 152 to Pajaro River, to accomplish the following objectives:

- Restore flood capacity in Lower Llagas Creek.
- Integrate flood protection with habitat protection to satisfy Endangered Species Act regulations.
- Coordinate with South County Wastewater Authority as a principal stakeholder and water resource co-planner.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

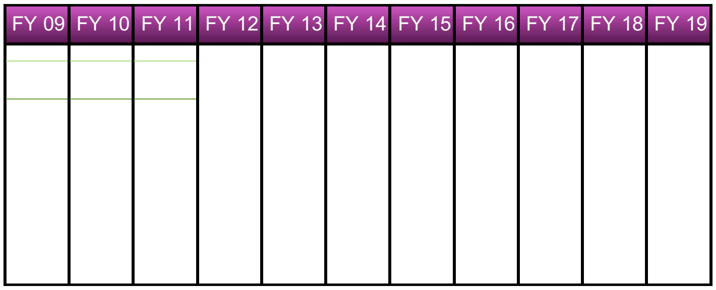


SCHEDULE & STATUS

July 2008 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	2,430
Design	-
Construct	-
Closeout	-
	2,430



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River	0	436	856	1,138	0	0	0	0	2,430
with inflation	0	436	856	1,236	0	0	0	0	2,528

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River	0	436	0	856	1,236	0	0	0	0	2,528

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,528
Other Funding Source	0
Total	**2,528**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**Llagas Creek–Upper, Buena Vista Road to Wright Avenue**
Program	Flood Protection - Uvas/Llagas Watershed
Priority No.	59
Project No.	26174051s
District Contact	Katherine Oven koven@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area.

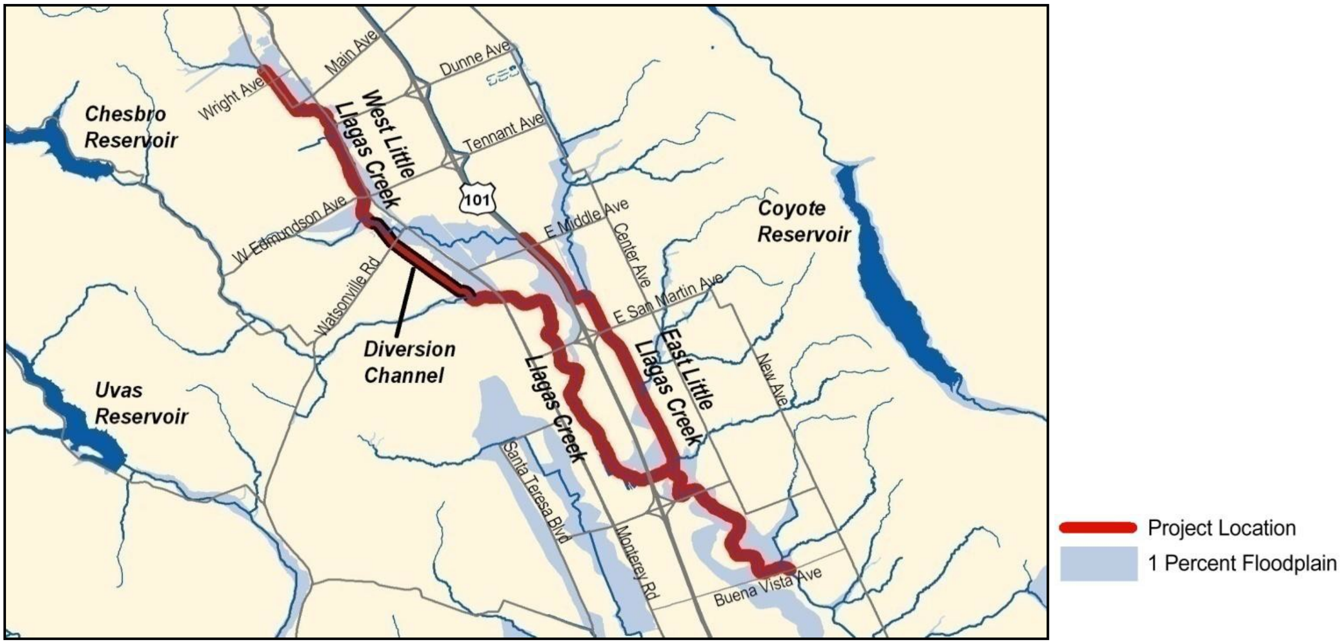
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 13.6 miles of Upper Llagas Creek, from Buena Vista Avenue to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

This project is accounted for in the following job numbers:

- 26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
- 26174052—Coordination with the Corps
- 26174053—Technical Studies

PROJECT LOCATION

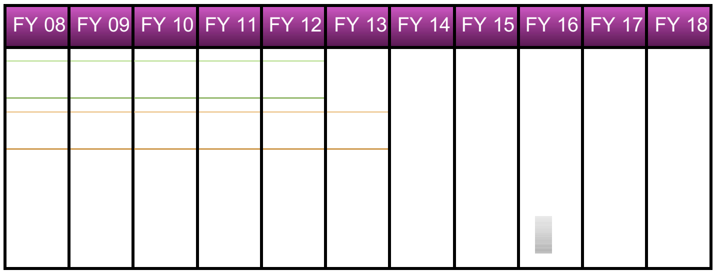


PROJECT SCHEDULE

August 2000 to December 2015

Project schedule may vary considerably and is dependent upon the Corps and Congress.

Phase	Cost
Plan	5,310
Design	12,120
Construct	794
Closeout	150
	18,374



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Llagas Ck—Upper, LERRDs	4,487	2,100	2,311	25	0	0	0	0	8,923
with inflation	4,487	2,100	2,311	27	0	0	0	0	8,925
Llagas Ck—Upper, Corps Coordination	1,860	145	5,248	152	100	100	100	300	8,005
with inflation	1,860	145	5,248	165	113	118	123	395	8,167
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
TOTAL	**7,793**	**2,245**	**7,559**	**177**	**100**	**100**	**100**	**300**	**18,374**
with inflation	**7,793**	**2,245**	**7,559**	**192**	**113**	**118**	**123**	**395**	**18,538**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Llagas Ck—Upper, LERRDs	7,946	409	1,768	543	27	0	0	0	0	8,925
Llagas Ck—Upper, Corps Coordination	1,982	59	36	5,212	165	113	118	123	395	8,167
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
TOTAL	**11,374**	**468**	**1,804**	**5,755**	**192**	**113**	**118**	**123**	**395**	**18,538**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

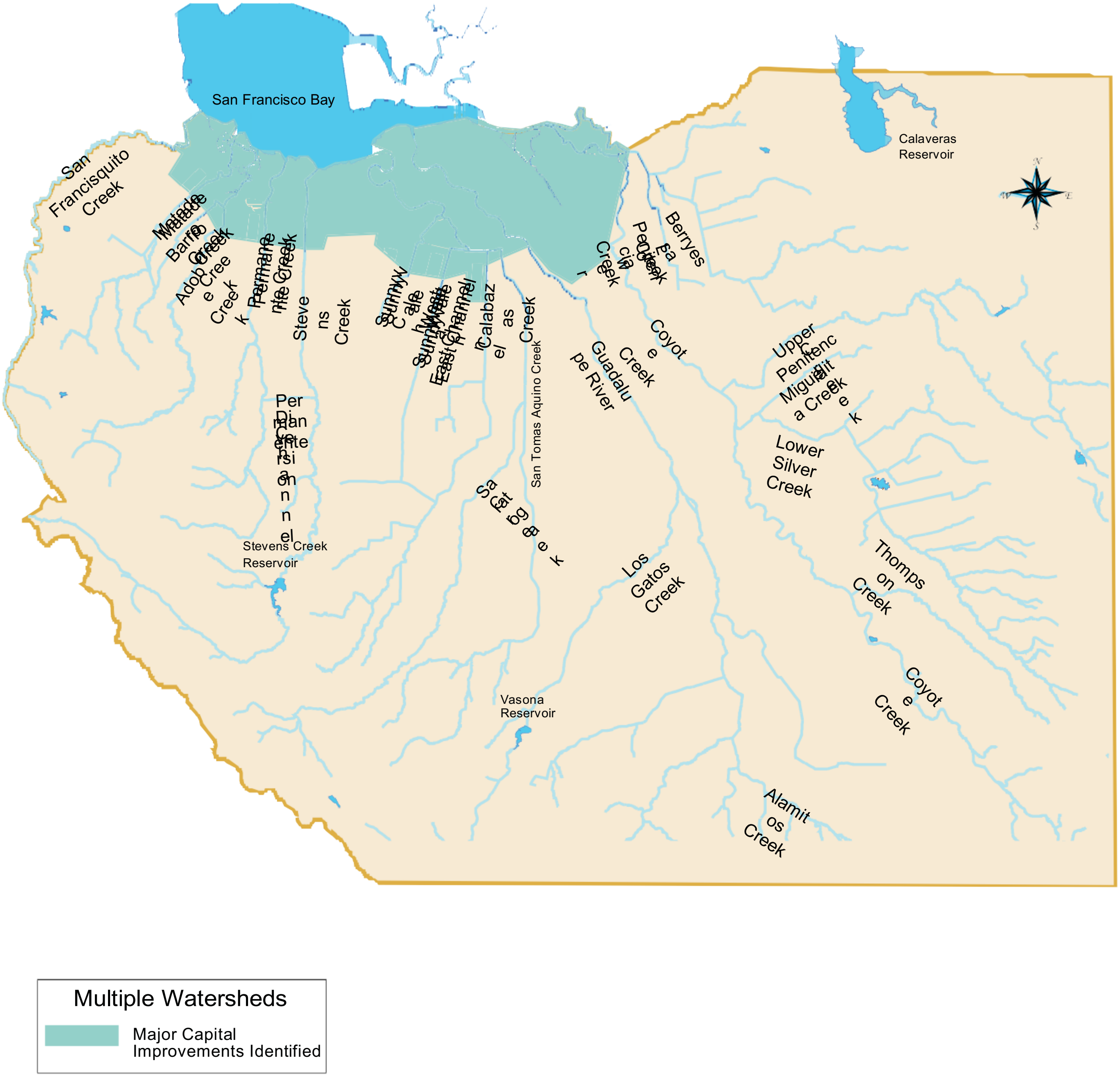
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	11,632
State of California	3,566
City of Morgan Hill	3,340
Total	**18,538**
Federal Partner—Corps of Engineers	22,000

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 30+ Years


San Francisco Bay
Calaveras Reservoir
San Francisquito Creek
Matadero Creek
Barron Creek
Adobe Creek
Permanente Creek
Stevens Creek
Sunnyvale West Channel
Sunnyvale East Channel
Calabazas Creek
San Tomas Aquino Creek
Guadalupe River
Coyote Creek
Penitencia Creek
Berryessa Creek
Upper Penitencia Creek
Miguelita Creek
Lower Silver Creek
Permanente Diversion Channel
Stevens Creek Reservoir
Saratoga Creek
Los Gatos Creek
Thompson Creek
Coyote Creek
Vasona Reservoir
Alamitos Creek
N
E
S
W
Multiple Watersheds
🟩 Major Capital Improvements Identified

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	54
Project No.	00044026s
District Contact	Ann Draper adraper@valleywater.org

Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

PROJECT DESCRIPTION

This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

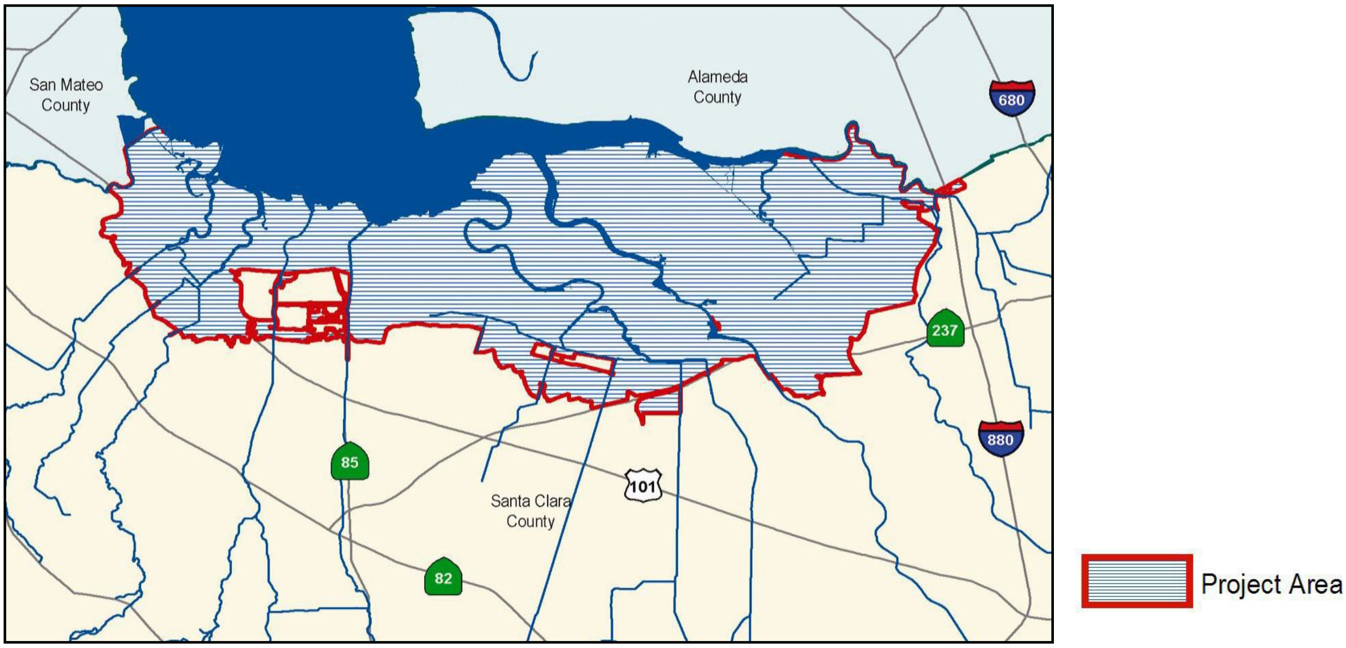
- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

This project is accounted for in the following job numbers:

00044026—San Francisco Bay Shoreline
62044042—Early Shoreline Implementation Feasibility

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to August 2011

(Planning Phase Only)

Phase	Cost
Plan	11,624
Design	-
Construct	-
Closeout	-
	11,624

FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Francisco Bay Shoreline	7,806	2,618	763	275	25	0	0	0	11,487
with inflation	7,806	2,618	763	299	28	0	0	0	11,514
Early Shoreline Implementation Feasibility	0	77	60	0	0	0	0	0	137
with inflation	0	77	60	0	0	0	0	0	137
TOTAL	**7,806**	**2,695**	**823**	**275**	**25**	**0**	**0**	**0**	**11,624**
with inflation	**7,806**	**2,695**	**823**	**299**	**28**	**0**	**0**	**0**	**11,651**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
San Francisco Bay Shoreline	9,244	1,978	798	0	264	28	0	0	0	11,514
Early Shoreline Implementation Feasibility	0	77	0	60	0	0	0	0	0	137
TOTAL	**9,244**	**2,055**	**798**	**60**	**264**	**28**	**0**	**0**	**0**	**11,651**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	9,640
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
Total	**11,651**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

MITIGATION CAPITAL IMPROVEMENTS

MITIGATION OVERVIEW

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill CEQA and regulatory permit requirements and meet the Board's End Policy E–3.1, "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."

Major Capital Improvements Identified in the CIP

- Projects to mitigate environmental impacts resulting from stream maintenance activities
- Projects to mitigate environmental impacts resulting from the treatment plant improvement projects

PRIORITy PROCESS ANd FINANCIAL ANALySIS

Implementation of the mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permit commitments approved by the Board. Funding for mitigation projects are allocated without a prioritization process.

MITIGATION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for mitigation capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Mitigation Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
91084018	Dam Maintenance Mitigation	-	-	-	3,000	266	148	77	-	-	3,491
92C40297	Ogier Ponds Separation from Coyote Creek	-	-	-	-	447	466	2,832	6,460	2,141	12,346
62184002	SMP Mitigation, Coyote Parkway Freshwater Wetland	7,039	191	-	390	-	-	-	-	-	7,620
00044030	SMP Mitigation, Laguna Seca Freshwater Wetland	1,367	-	22	7,283	744	293	8,081	225	257	18,250
62754001	SMP Mitigation, Pajaro Basin Freshwater Wetland	4,492	101	282	-	101	-	-	-	-	4,694
62184001	SMP Mitigation, Stream and Watershed Land Preservation	10,385	-	6,819	-	-	-	-	-	-	10,385
	TOTAL	23,283	292	7,123	10,673	1,558	907	10,990	6,685	2,398	56,786

▨ *FY 2008-09 Funds to be reappropriated*

The following table shows funding requirements from each funding source for mitigation capital improvements.

Mitigation – Funding Sources ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise Fund	-	-	-	3,000	713	614	2,909	6,460	2,141	15,837
Watershed Stream Stewardship Fund	23,283	292	7,123	7,673	845	293	8,081	225	257	40,949
TOTAL	23,283	292	7,123	10,673	1,558	907	10,990	6,685	2,398	56,786

▨ *FY 2008-09 Funds to be reappropriated*

Project	**Dam Maintenance Mitigation Program**
Program	Mitigation
Priority No.	99
Project No.	91084018
District Contact	Keith Whitman kwhitman@valleywater.org

Settings such as this will be used for Habitat Preservation.
Actual locations will differ.

PROJECT DESCRIPTION

This project preserves and/or restores habitat for California Tiger Salamander, Red Legged Frog and sensitive serpentine plants on lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 80 acres of Dam Maintenance Program mitigation credits through preservation and/or restoration in Santa Clara County to provide long-term protection of unique and valuable resources in a largely self-sustaining setting. These credits will offset impacts on habitats that are known to support California red-legged frogs, California tiger salamaners, wetlands, serpentinse plants as well as other sensitive plants.
- Perform baseline biological studies in order to determine potential credits of prospective land parcels.

PROJECT LOCATION

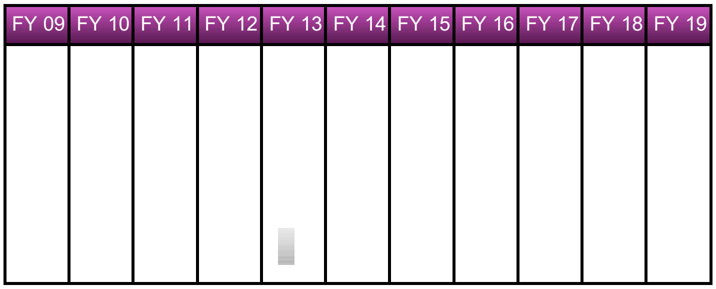
The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

April 2004 to December 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.

Phase	Cost
Plan	-
Design	3,080
Construct	345
Closeout	0
	3,425



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Maintenance Mitigation Program	0	0	3,000	240	125	60	0	0	3,425
with inflation	0	0	3,000	266	148	77	0	0	3,492

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Dam Maintenance Mitigation Program	0	0	0	3,000	266	148	77	0	0	3,492

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	3,492
Other Funding Source	0
Total	**3,492**

OPERATING COSTIMPACTS

Operating costs will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. Once the sites have been identified, operating costs will be determined based on the existing conditions and maintenance identified for each site.”

USEFUL LIFE: 50+ Years

Project	**Ogier Ponds Separation from Coyote Creek**
Program	Mitigation
Priority No.	99
Project No.	92C40297
District Contact	Katherine Oven koven@valleywater.org

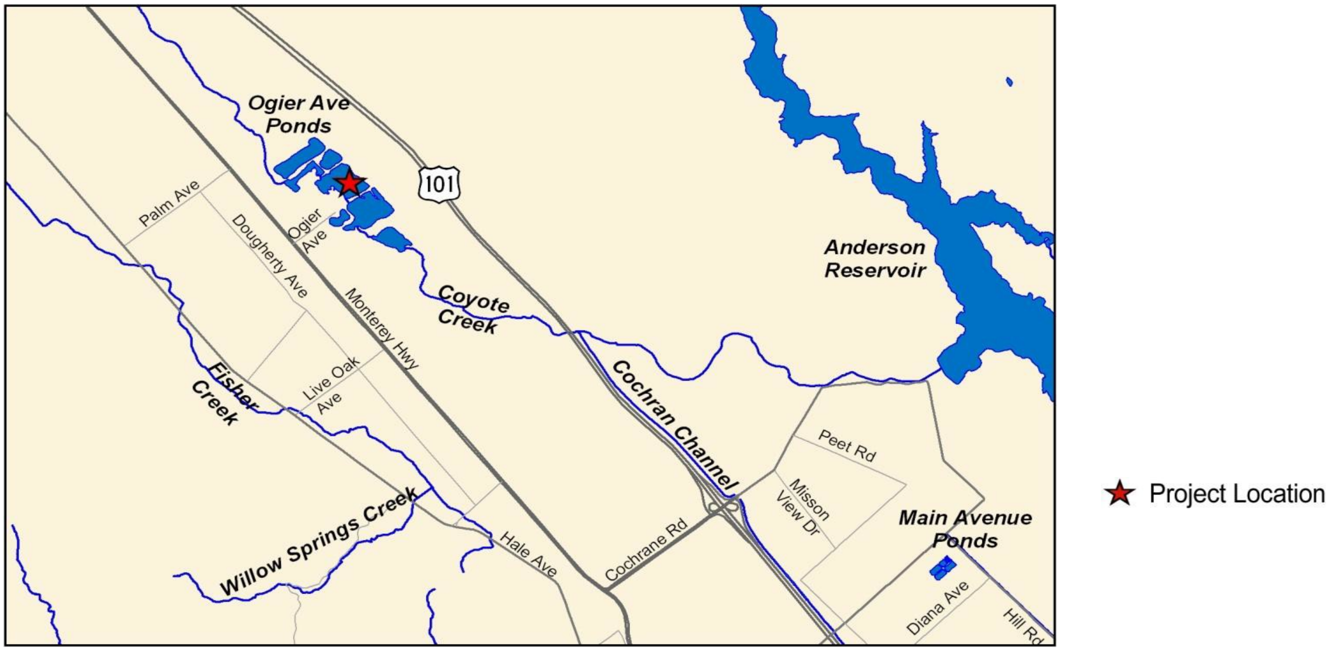
Ogier Pond complex looking downstream. Coyote Creek enters the lower right corner. The pond is bordered by Coyote Creek Trail on the right, and a cherry orchard on the left.

PROJECT DESCRIPTION

This project plan, designs, and constructs improvements to separate Ogier Ponds from Coyote Creek where they meet, approximately 3,800 feet upstream of Ogier Avenue in San Jose, to meet the following objectives:

- Meet regulatory requirements for implementation of the Dam Maintenance Program so the District can continue to maintain adequate water supply for Santa Clara Valley residents.
- Eliminate the temperature and predation traps and improve passage for Chinook salmon and steelhead.
- Preserve the existing open water habitat.
- Minimize impacts to the future recreational uses being planned by Santa Clara County.

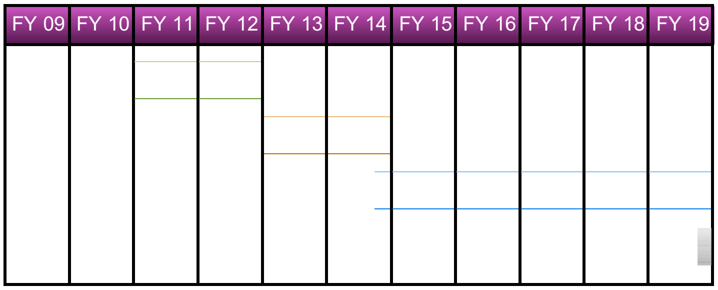
PROJECT LOCATION



SCHEDULE & STATUS

February 2000 to June 2019

Plan	824
Design	2,934
Construct	6,311
Closeout	10
	10,079



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Ogier Ponds Separation from Coyote Creek	0	0	0	412	412	2,402	5,259	1,594	10,079
with inflation	0	0	0	447	466	2,832	6,460	2,142	12,347

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Ogier Ponds Separation from Coyote Creek	0	0	0	0	447	466	2,832	6,460	2,142	12,347

Adjusted Budget includes adopted budget plus approved budget adjustments

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,347
Other Funding Source	0
Total	**12,347**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs for routine maintenance of the channel. The amount of the increase will be developed in the design phase, when adequate information on the staff-recommended alternative is available.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Coyote Parkway Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	62184002
District Contact	Katherine Oven koven@valleywater.org

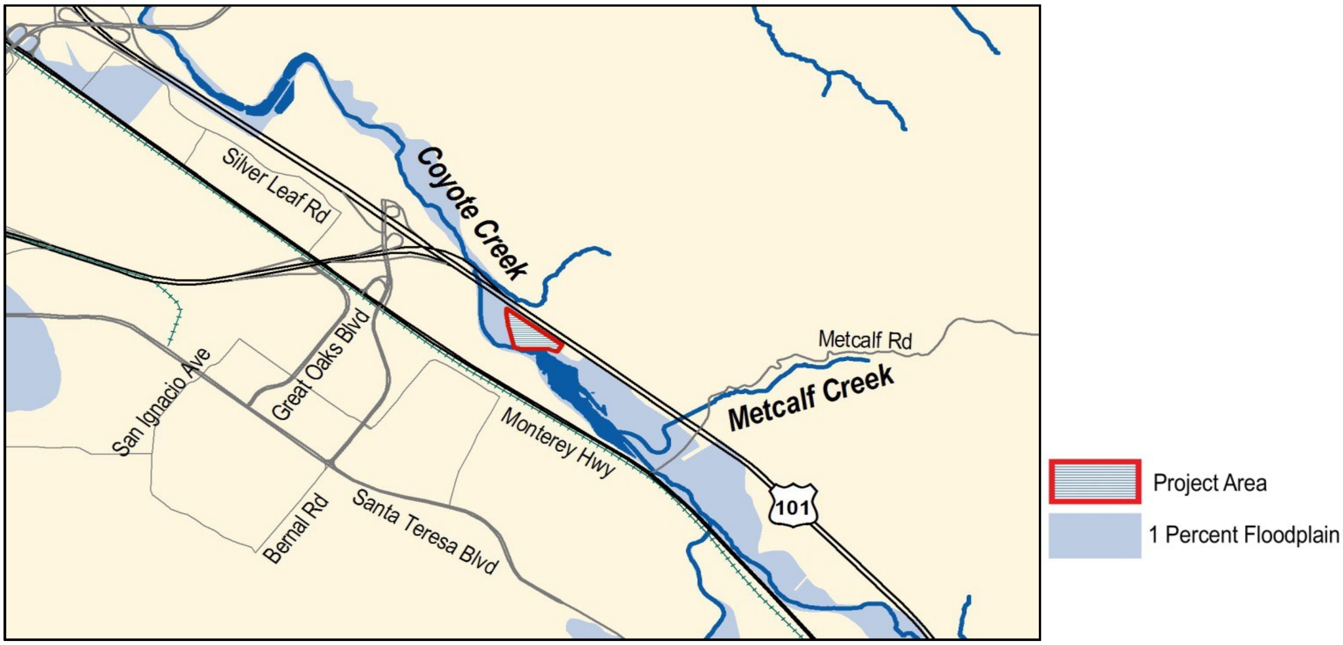
Coyote Parkway. View looking downstream across seasonal wetlands and channels towards Highway 101, April 2009.

PROJECT DESCRIPTION

This project plans, designs, and constructs a freshwater wetland basin at the Coyote Parkway Lakes area, near Monterey Road and southeast of the Highway 101 and Highway 85 interchange in San Jose, to accomplish the following objectives:

- Meet the District’s mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Santa Clara Basin.
- Provide 7 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2010

Planning phase is complete.
Design phase is complete.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a		▨									
	0											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation, Coyote Parkway Freshwater Wetland	7,050	180	390	0	0	0	0	0	7,620
with inflation	7,050	180	390	0	0	0	0	0	7,620

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation, Coyote Parkway Freshwater Wetland	7,039	191	0	390	0	0	0	0	0	7,620

Adjusted Budget includes adopted budget plus a planned budget adjustment of $3,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	7,620
Other Funding Source	0
Total	**7,620**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2011, for managing the water level, removing invasive vegetation, maintaining outlet and inlet structures, and monitoring plant establishment.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Laguna Seca Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	00044030
District Contact	Katherine Oven koven@valleywater.org

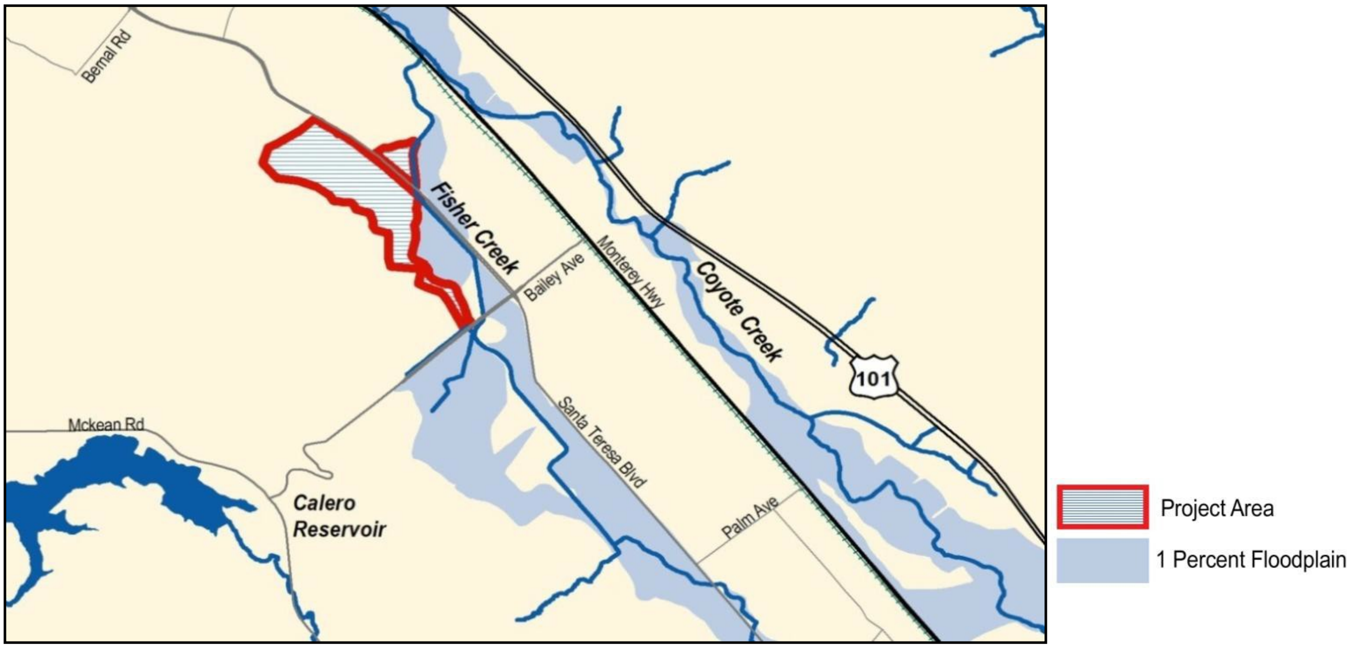
Ponding at Laguna Seca Wetland Site in February 2007

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Coyote Valley Research Park detention basin, formerly known as the Laguna Seca wetland site (located in San Jose, where Fisher Creek intersects Santa Teresa Boulevard, north of Bailey Avenue) to accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create approximately 30 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.

PROJECT LOCATION

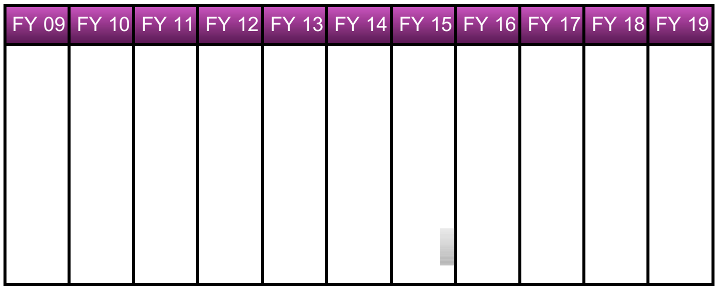


SCHEDULE & STATUS

July 2007 to June 2015

Construction Phase includes 3 years of mitigation compliance monitoring.

Phase	Cost
Plan	1,354
Design	1,554
Construct	13,644
Closeout	40
	16,592



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation, Laguna Seca Freshwater Wetland	432	913	7,305	685	259	6,183	183	201	16,161
with inflation	432	913	7,305	744	293	8,081	225	257	18,249

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation, Laguna Seca Freshwater Wetland	1,367	0	22	7,283	744	293	8,081	225	257	18,249

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	18,249
Other Funding Source	0
Total	**18,249**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Pajaro Basin Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	62754001
District Contact	Katherine Oven koven@valleywater.org

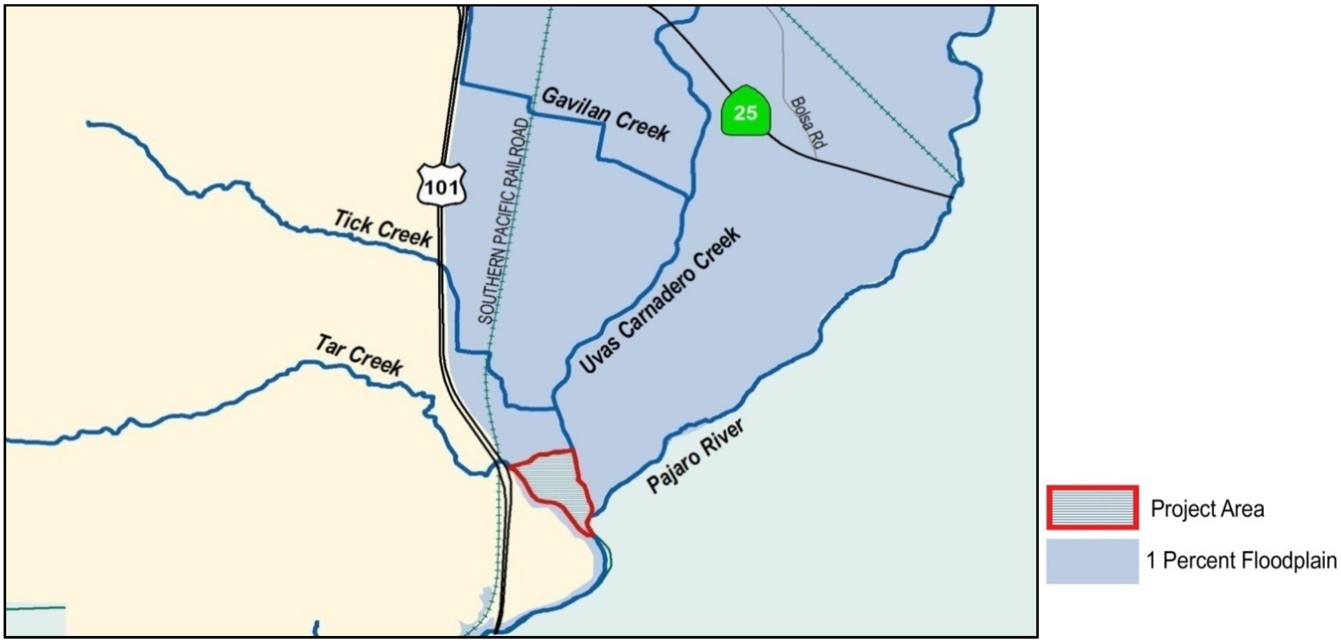
Pajaro Basin. View looking upstream across wetland towards Tar and Uvas-Carnadero Creeks, April 2009.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to create a freshwater wetland in the Pajaro Basin. The project is located on the District's Carnadero Preserve, approximately two miles south of Gilroy. The project will accomplish the following objectives:

- Provide freshwater wetland habitat to meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Pajaro Basin.
- Provide 4 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

PROJECT LOCATION

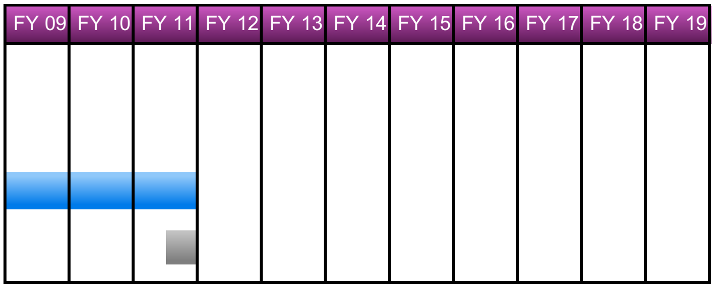


SCHEDULE & STATUS

July 2002 to June 2011

Planning phase is complete. Design phase is complete. Construction includes 5 years of mitigation compliance monitoring.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	3,989	322	188	180	0	0	0	0	4,679
with inflation	3,989	322	188	195	0	0	0	0	4,694

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	4,492	101	282	0	101	0	0	0	0	4,694

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by approximately $33,000. Any remaining funds will go to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	4,694
Other Funding Source	0
Total	4,694

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $48,000 per year, beginning in FY 2012, for removing invasive vegetation and monitoring plant establishment.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation Stream and Watershed Land Preservation**
Program	Mitigation
Priority No.	99
Project No.	62184001
District Contact	Katherine Oven koven@valleywater.org

Creek-side settings such as this will be used for Stream and Watershed Land Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION

The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

April 2004 to December 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	-											
Design	6,681											
Construct	1,550											
Closeout	50					▨						
	8,281											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation Stream and Watershed Land Preservation	2,016	1,550	1,615	1,550	1,500	50	0	0	8,281
with inflation	2,016	1,550	1,615	1,683	1,697	59	0	0	8,620

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
SMP Mitigation Stream and Watershed Land Preservation	10,385	0	6,819	0	0	0	0	0	0	10,385

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by approximately $1,765,000. Excess fudning will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	10,385
Other Funding Source	0
Total	**10,385**

OPERATING COST IMPACTS

Operating cost will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. The Stevens Canyon Ranch Conservation Easement was acquired in December 2006 and there are no operating impacts to the District. The property owner, Mid-Peninsula Regional Open Space District is responsible for maintenance and management of the site.

USEFUL LIFE: 50+ Years

ENHANCEMENT CAPITAL IMPROVEMENTS

ENHANCEMENT OVERVIEW

The environmental enhancement capital improvements are implemented to meet the Board's Ends Policy E–3.2, "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

The District's Clean, Safe Creeks and Natural Flood Protection Program, approved by the voters of Santa Clara County in 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Other enhancement opportunities, typically not funded by the Clean, Safe Creeks Program are also recommended to the Board and implemented if determined appropriate by the Board.

In both cases, the approved opportunities include both capital projects and operational activities. The capital projects are included in the CIP.

Major Capital Improvements Identified in CIP

- Clean, Safe Creeks environmental enhancement capital projects
- Alviso Slough Restoration project
- Gold Street Education Center project
- Jacques Gulch
- Pond A8 Applied Study Final Design and Construction

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Enhancement projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for CSC funds or the board may direct that other available revenue be used to implement the proposed projects. The inclusion of these projects in the Fiscal Year 2009-10 CIP has been approved by the Board.

The District's Environmental Enhancement program has benefited from ARRA funding. The Coastal Conservancy has allocated $1 million in ARRA funds for construction of the Pond A8 Applied Study Project from the $6.7 million grant they received from the National Oceanic and Atmospheric Administration.

Financial analysis of the following funding sources for enhancement capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Funding needs for approved enhancement projects can be met.

ENHANCEMENT CAPITAL IMPROVEMENTS

The following table is a project funding schedule for enhancement capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Enhancement Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
26074009	CSC Soap Lake Floodplain Property Acquisition	257	-	257	18	-	-	-	-	-	275
00294001	FAHCE Stevens Creek Fish Passage Enhancement	-	845	-	436	2,578	5,683	4,669	-	-	14,211
91854002	Jacques Gulch Restoration	2,109	6,962	576	-	-	29	50	-	-	9,150
62044020	Pond A8 Applied Study Final Design & Construction	-	3,033	233	267	-	-	-	-	-	3,300
30154029	Alviso Slough Restoration	2,585	252	-	615	7,206	243	-	-	-	10,901
30154028	Gold Street Educational Center	420	214	105	829	-	-	-	-	-	1,463
	TOTAL	5,371	11,306	1,171	2,165	9,784	5,955	4,719	-	-	39,300

▨ *FY 2008-09 Funds to be reappropriated*

The following table shows funding requirements from each funding source for enhancement capital improvements.

Enhancement - Funding Sources ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise Fund	2,109	7,723	576	392	2,320	5,144	4,252	--	--	21,940
Watershed Stream Stewardship Fund	3,012	3,584	345	1,773	7,464	811	467	--	--	17,110
Clean, Safe Creeks and Natural Flood Protection Fund	250	-	250	--	--	--	--	--	--	250
TOTAL	5,371	11,306	1,171	2,165	9,784	5,955	4,719	--	--	39,300

▨ *FY 2008-09 Funds to be reappropriated*

Project	**CSC Soap Lake Floodplain Property Acquisition**
Program	Environmental Enhancement
Priority No.	99
Project No.	92604002
District Contact	Liang Lee llee@valleywater.org

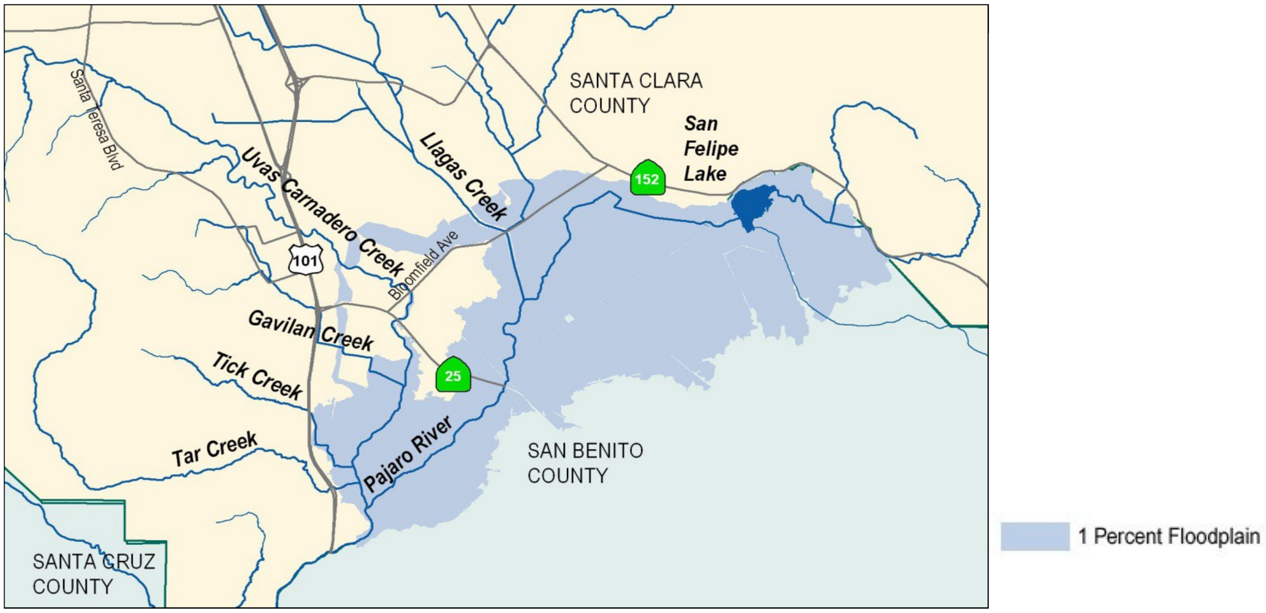
No Picture Available

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives:

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality measures, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

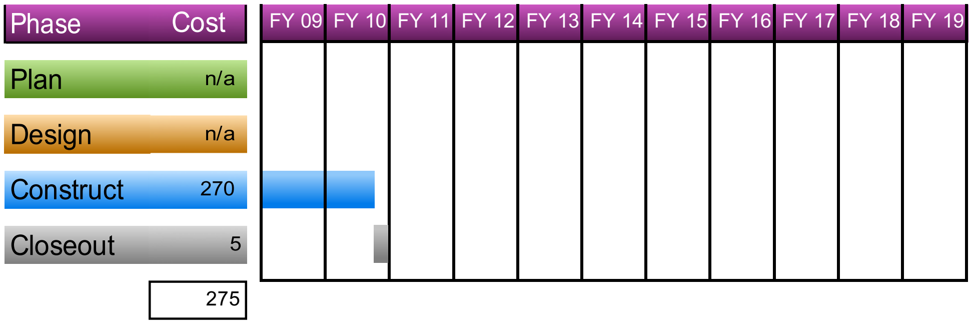
PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to June 2010

Schedule for this project is dependent on availability of willing sellers. Property acquisition is shown in the construction phase. Planning and design phases do not apply.



Phase	Cost
Plan	n/a
Design	n/a
Construct	270
Closeout	5
	275

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
CSC Soap Lake Floodplain Property Acquisition	0	0	275	0	0	0	0	0	275
with inflation	0	0	275	0	0	0	0	0	275

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
CSC Soap Lake Floodplain Property Acquisition	257	0	257	18	0	0	0	0	0	275

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	250
SCVWD Watershed Stream Stewardship Fund	25
Total	275

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	FAHCE Stevens Creek Fish Passage Enhancement
Program	Environmental Enhancement
Priority No.	99
Project No.	00294001s
District Contact	Katherine Oven koven@valleywater.org

Stevens Creek Fish Ladder at Evelyn Avenue, one of three fish ladders to be modified or reconstructed for better fish passage.

PROJECT DESCRIPTION

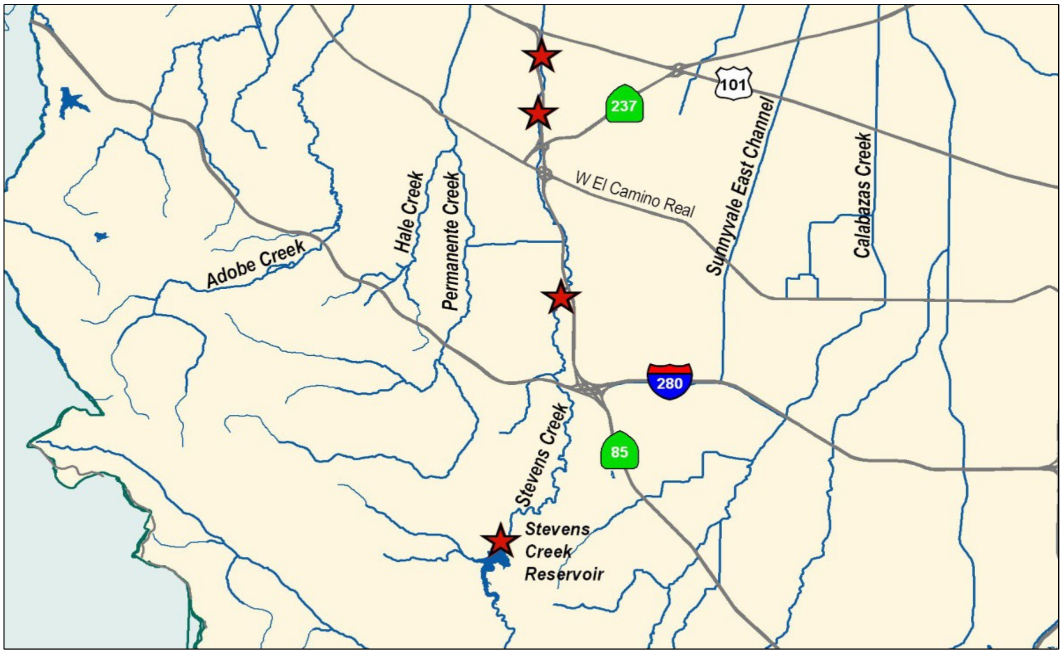
This project plans, designs, and modifies or reconstructs fish passages on Stevens Creek at Evelyn Avenue, Fremont Avenue and Moffett Boulevard and constructs a portable, gravity-fed outlet at Stevens Creek Dam, to accomplish the following objectives:

- Meet the District’s mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

This project is accounted for in the following job numbers:

- 00294001—Fish Passage Planning
- 00C40144—Evelyn Avenue Fish Ladder
- 00C40146—Fremont Avenue Fish Ladder
- 00C40145—Moffett Boulevard Fish Ladder
- 00C40198—Multi-Port Outlet at Dam

PROJECT LOCATION

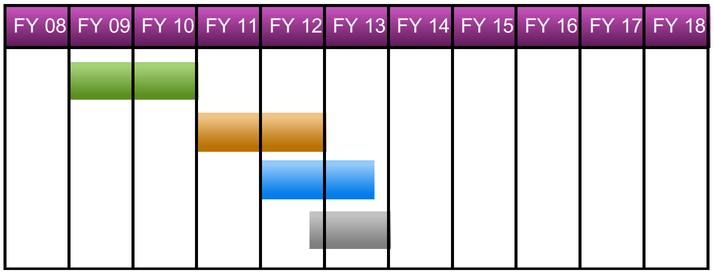


★ Project Location

PROJECT SCHEDULE

July 2008 to June 2013

Phase	Cost
Plan	1,281
Design	3,108
Construct	7,498
Closeout	29
	11,916



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
FAHCE Stevens Ck Fish Passage Planning	0	845	436	0	0	0	0	0	1,281
with inflation	0	845	436	0	0	0	0	0	1,281
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	938	1,371	0	0	0	2,309
with inflation	0	0	0	1,018	1,680	0	0	0	2,698
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	274	732	3,562	0	0	4,568
with inflation	0	0	0	297	828	4,669	0	0	5,795
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	926	1,677	0	0	0	2,603
with inflation	0	0	0	1,005	2,054	0	0	0	3,060
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	238	917	0	0	0	1,155
with inflation	0	0	0	258	1,121	0	0	0	1,379
TOTAL	**0**	**845**	**436**	**2,376**	**4,697**	**3,562**	**0**	**0**	**11,916**
with inflation	**0**	**845**	**436**	**2,580**	**5,683**	**4,669**	**0**	**0**	**14,213**

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
FAHCE Stevens Ck Fish Passage Planning	0	845	0	436	0	0	0	0	0	1,281
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	0	1,018	1,680	0	0	0	2,698
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	0	297	828	4,669	0	0	5,795
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	0	1,005	2,054	0	0	0	3,060
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	258	1,121	0	0	0	1,379
TOTAL	**0**	**845**	**0**	**436**	**2,580**	**5,683**	**4,669**	**0**	**0**	**14,213**

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–10%	1,421
SCVWD Water Utility Enterprise (FAHCE Program)–90%	12,791
Total	**14,213**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $12,000 per year beginning in FY 2013, due to reductions in routine maintenance and debris removal.

USEFUL LIFE: 50 Years

Project	**Jacques Gulch Restoration**
Program	Environmental Enhancement
Priority No.	35
Project No.	91854002
District Contact	Beau Goldie bgoldie@valleywater.org

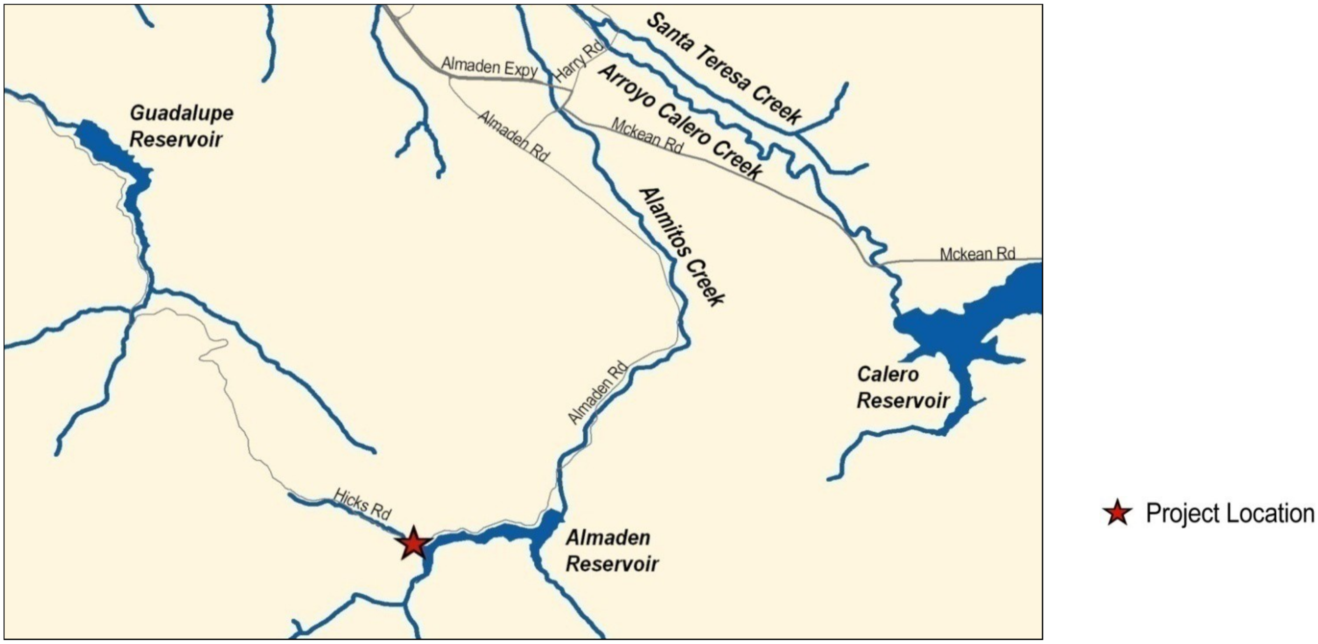
Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTON

This project plans, designs and constructs improvements to Jacques Gulch, a tributary to the Almaden Reservoir, to accomplish the following objectives:

- Remove mercury calcine deposits.
- Stabilize the stream banks and restore habitat along Jacques Gulch, consistent with provisions of the Consent Decree.

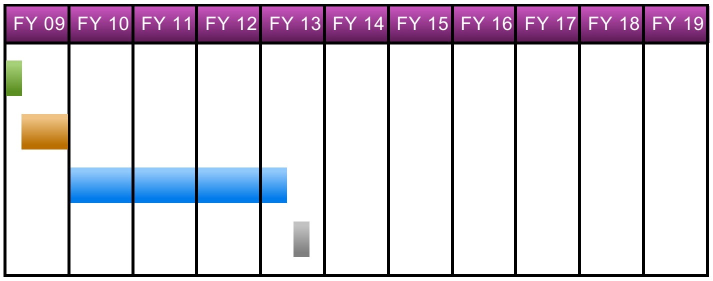
PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to March 2013

Phase	Cost
Plan	1,575
Design	428
Construct	7,106
Closeout	25
	9,134



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Jacques Gulch Restoration	1,455	7,040	526	35	36	42	0	0	9,134
with inflation	1,455	7,040	526	38	41	50	0	0	9,149

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Jacques Gulch Restoration	2,109	6,962	576	0	0	29	50	0	0	9,149

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,024
Guadalupe Rubbish Disposal Company	125
County of Santa Clara	100
Total	9,149
County Partner–Santa Clara County	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2013. Increases are related to the anticipated need for annual inspection of the Alamitos Road culvert, periodic vegetation and/or debris removal upstream and downstream of the culvert, and biological monitoring and reporting.

USEFUL LIFE: 50+ Years

Project	**Pond A8 Applied Study Final Design and Construction**
Program	Environmental Enhancement
Priority No.	99
Project No.	62044020
District Contact	Katherine Oven koven@valleywater.org

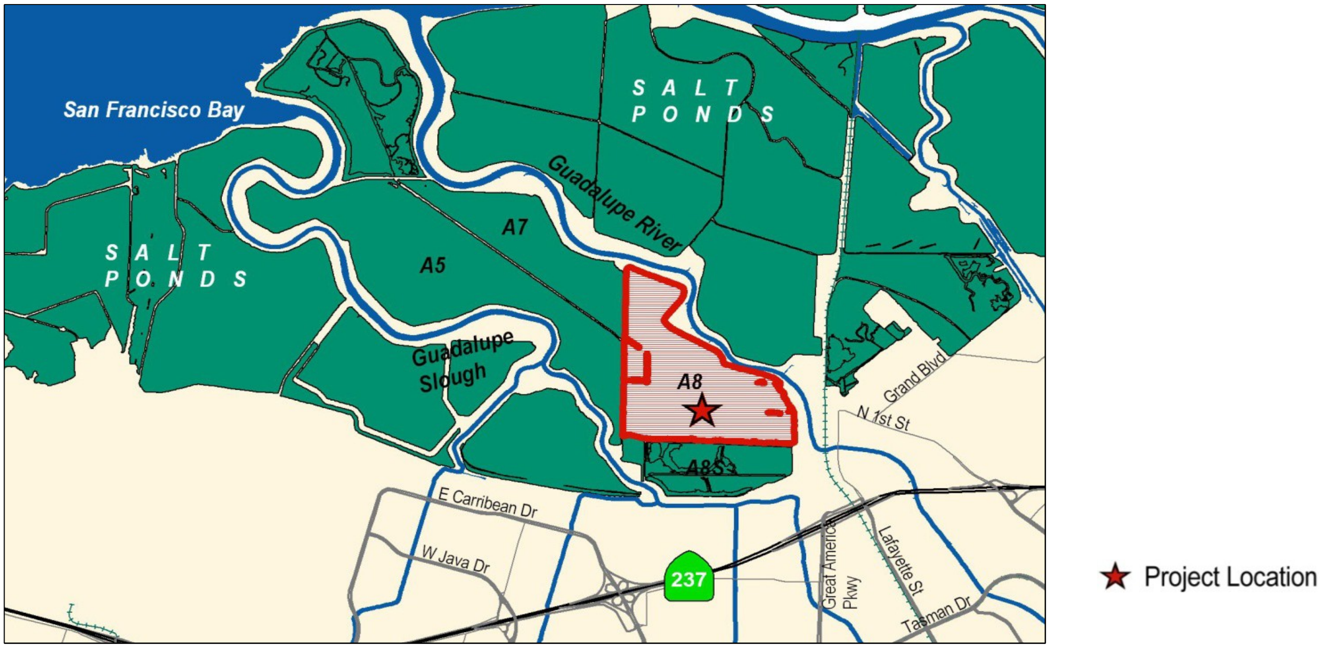
View from Southeast corner of Pond A8, looking Northwest

PROJECT DESCRIPTION

This project constructs a pilot project at Pond A8 that provides a reversible tidal connection between a former salt pond and Alviso Slough. This project will convert Pond A8 from its previous use for salt production to a muted or fully tidal condition, resulting in the restoration of up to 200 acres of tidal wetland habitat, and will accomplish the following objectives:

- Restore tidal influence to and wetland habitat in and adjacent to Pond A8
- Develop and implement a data collection program to inform management of the observed effects of mercury transport and mercury methylation due to the reversible tidal connection.
- Develop a preferred operational approach and prepare plans and drawings for conversion of the pond.
- Develop and implement a data collection program to evaluate changes in water quality and sediment quality, evaluate changes in bioaccumulation of mercury, and refine indicators to predict changes in mercury in the food web.

PROJECT LOCATION

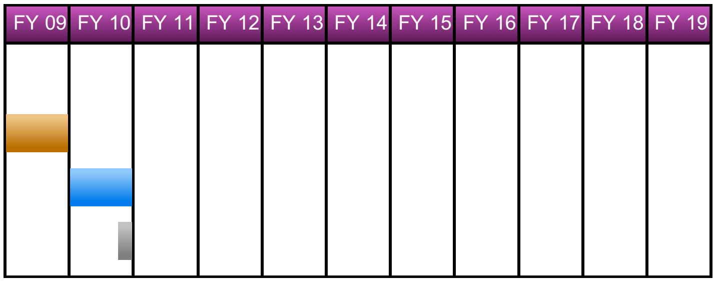


SCHEDULE & STATUS

July 2008 to June 2010

Planning and some design activities were funded by the San Francisco Bay Shoreline Project (00044026)

Phase	Cost
Plan	-
Design	230
Construct	3,045
Closeout	25
	3,300



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Pond A8 Applied Study Final Design and Construction	0	2,800	500	0	0	0	0	0	3,300
with inflation	0	2,800	500	0	0	0	0	0	3,300

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Pond A8 Applied Study Final Design and Construction	0	3,033	233	267	0	0	0	0	0	3,300

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	1,075
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	100
San Francisco Regional Water Quality Control Board	1,125
NOAA (California Costal Conservancy) ARRA	1,000
Tota	3,300

OPERATING COST IMPACTS

Not available. The completed project will require ongoing operations and maintenance of the reversible tidal connection structure. A Memorandum of Understanding with the U.S. Fish and Wildlife Service that governs respective parties' responsibilities is being developed.

USEFUL LIFE: 50 Years

Project	**Alviso Slough Restoration**
Program	Other Enhancement
Priority No.	99
Project No.	30154029s
District Contact	Katherine Oven koven@valleywater.org

Alviso Slough as seen from Gold Street Bridge

PROJECT DESCRIPTION

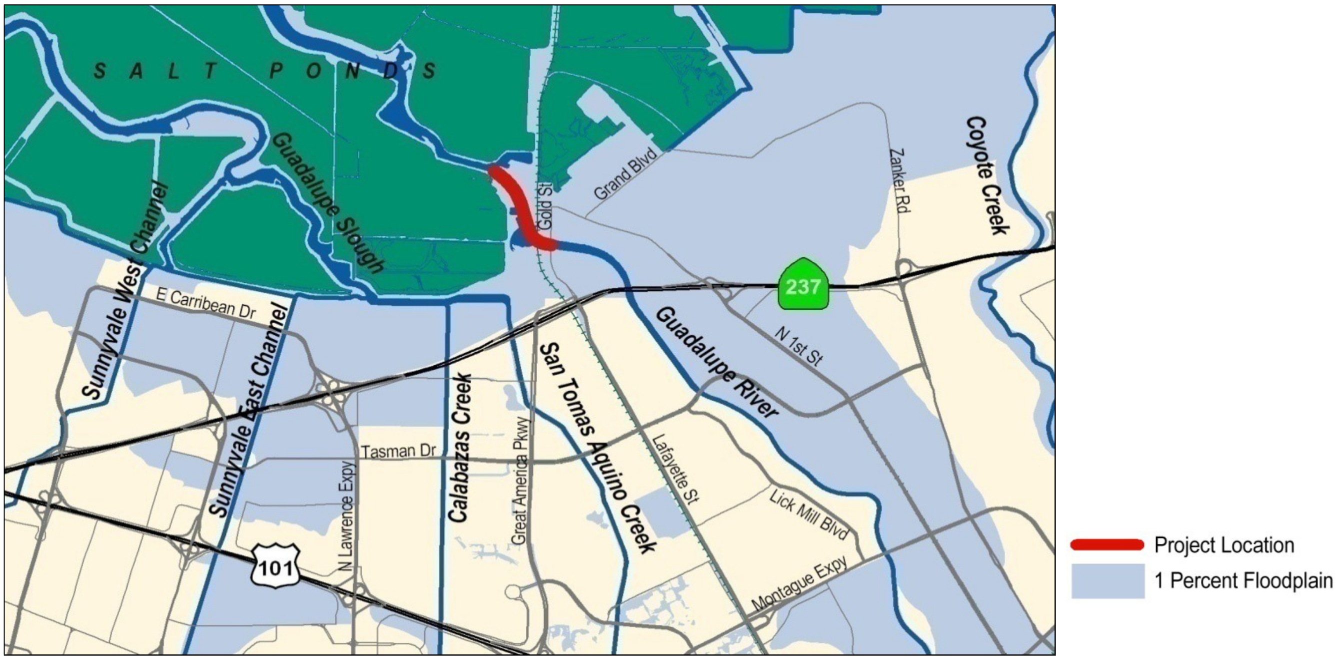
This project plans, designs and constructs improvements to remove 7 acres of vegetation and root mass from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

This project is accounted for in the following job numbers:

- 30154029—Alviso Slough Restoration, Planning
- 30154030—Alviso Slough Restoration, Design and Construction

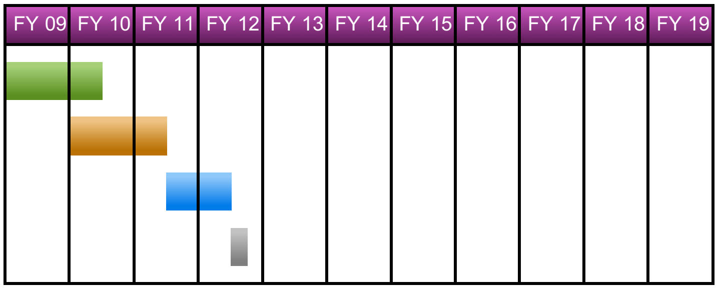
PROJECT LOCATION



SCHEDULE & STATUS

November 2004 to January 2012

Phase	Cost
Plan	2,978
Design	-
Construct	-
Closeout	-
	2,978



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Alviso Slough Restoration - Planning	2,487	350	141	0	0	0	0	0	2,978
with inflation	2,487	350	141	0	0	0	0	0	2,978
Alviso Slough Restoration - Design & Construct	0	0	474	6,326	215	0	0	0	7,015
with inflation	0	0	474	7,206	243	0	0	0	7,923
TOTAL	2,487	350	615	6,326	215	0	0	0	9,993
with inflation	2,487	350	615	7,206	243	0	0	0	10,901

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	Future	
Alviso Slough Restoration - Planning	2,585	252	0	141	0	0	0	0	0	2,978
Alviso Slough Restoration - Design & Construct	0	0	0	474	7,206	243	0	0	0	7,923
TOTAL	2,585	252	0	615	7,206	243	0	0	0	10,901

Adjusted Budget includes adopted budget plus a planned budget adjustment of $252,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	10,901
Other Funding Source	0
Total	10,901

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Gold Street Educational Center**
Program	Other Enhancement
Priority No.	99
Project No.	30154028
District Contact	Katherine Oven koven@valleywater.org

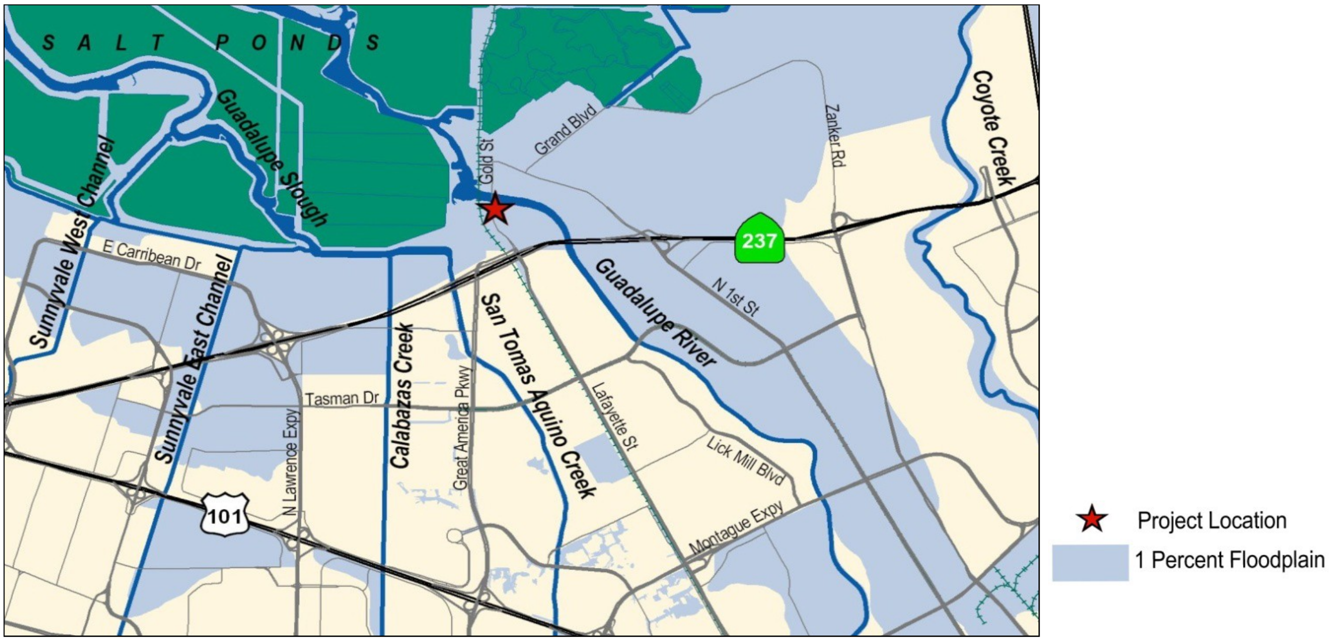
Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- A trailhead that links to recreation trails.

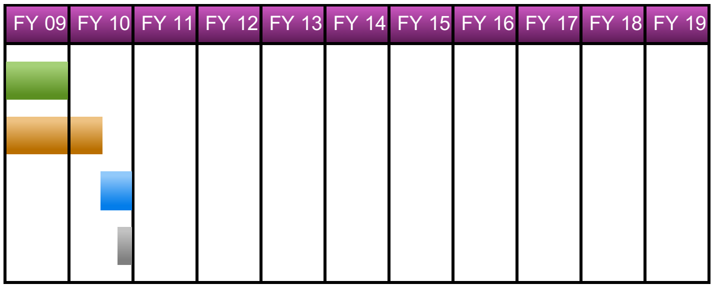
PROJECT LOCATION



SCHEDULE & STATUS

December 2004 to May 2010

Phase	Cost
Plan	232
Design	353
Construct	874
Closeout	4
	1,463



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY08	FY09	FY10	FY11	FY12	FY13	FY13	Future	
Gold Street Educational Center	89	440	934	0	0	0	0	0	1,463
with inflation	89	440	934	0	0	0	0	0	1,463

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY13	Future	
Gold Street Educational Center	420	214	105	829	0	0	0	0	0	1,463

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	1,463
Other Funding Source	0
Tota	1,463

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs increased steadily in recent years. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Almaden & Winfield Campus Small Capital Improvements

PRIORITy PROCESS AND FINANCIAL ANALySIS

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority buildings and grounds capital needs can be met.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Buildings and Grounds Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
60204016	Almaden and Winfield Campus, Small Capital Improvements	n/a	2,028	-	2,084	2,172	2,263	2,358	2,457	13,921	27,283
93234038	Telephones at Treatment Plants and Vasona	1,903	10	-	139	-	-	-	-	-	2,052
	TOTAL	1,903	2,038	-	2,223	2,172	2,263	2,358	2,457	13,921	29,335

▨ *FY 2008-09 Funds to be reappropriated*

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Sources ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise Fund	1,903	10	-	139	-	-	-	-	-	2,052
General Fund	-	2,028	-	2,084	2,172	2,263	2,358	2,457	13,921	27,283
TOTAL	1,903	2,038	-	2,223	2,172	2,263	2,358	2,457	13,921	29,335

▨ *FY 2008-09 Funds to be reappropriated*

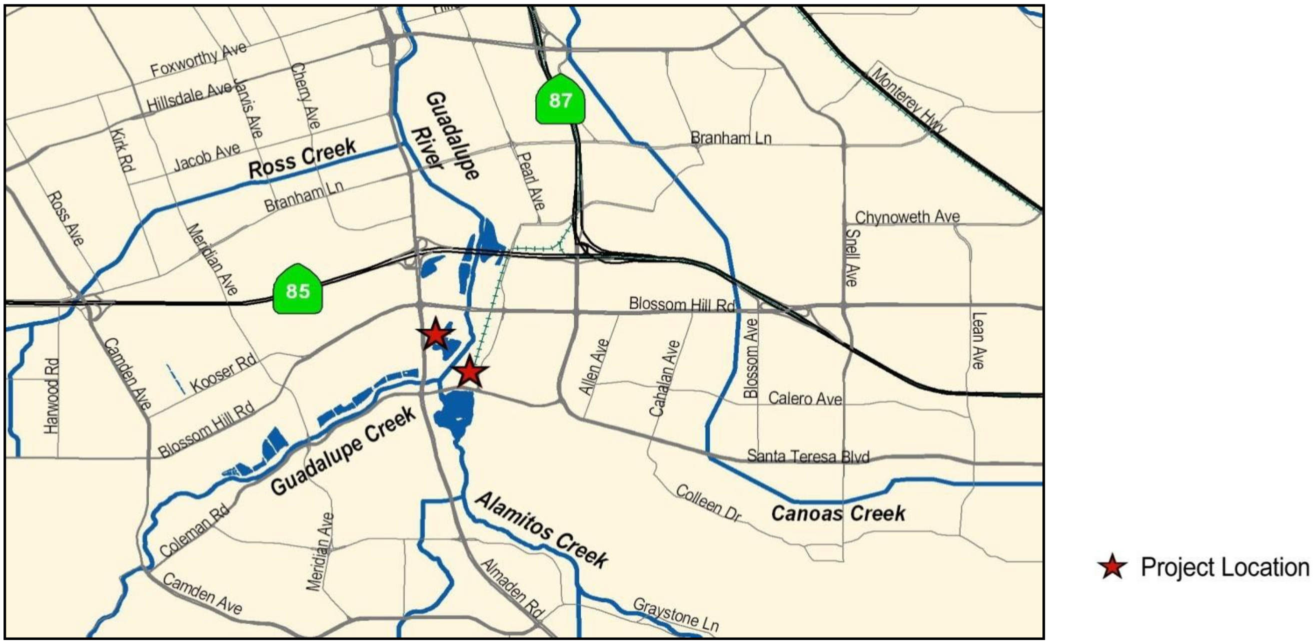
Project	**Almaden and Winfield Campus, Small Capital Improvements**
Program	Buildings and Grounds
Priority No.	75
Project No.	60204016
District Contact	Katherine Oven koven@valleywater.org

Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION



SCHEDULE & STATUS

Improvements will be managed on an as-needed basis throughout the year.

Phase	Cost	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19
Plan	n/a											
Design	n/a											
Construct	n/a											
Closeout	n/a											
	0											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,028	2,084	2,000	2,000	2,000	2,000	10,000	22,112
with inflation	n/a	2,028	2,084	2,172	2,263	2,358	2,457	13,921	27,282

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,028	0	2,084	2,172	2,263	2,358	2,457	13,921	27,282

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

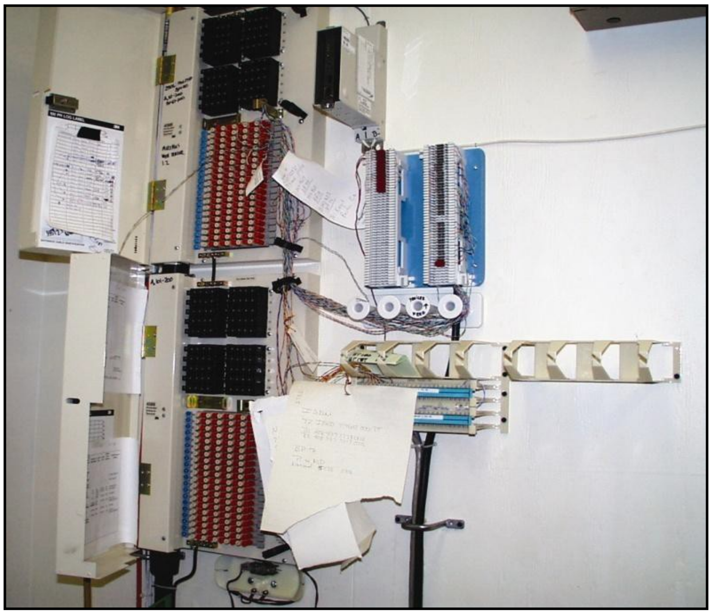
SCVWD General Fund	27,282
Other Funding Source	0
Total	**27,282**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact cause by building shut-down and work stoppage.

USEFUL LIFE: Not Available

Project	**Telephones at Treatment Plants and Vasona**
Program	Buildings and Grounds
Priority No.	33
Project No.	93234033s
District Contact	Bill Knoff bknoff@valleywater.org



An example of existing telecommunication cross-connects at District facilities

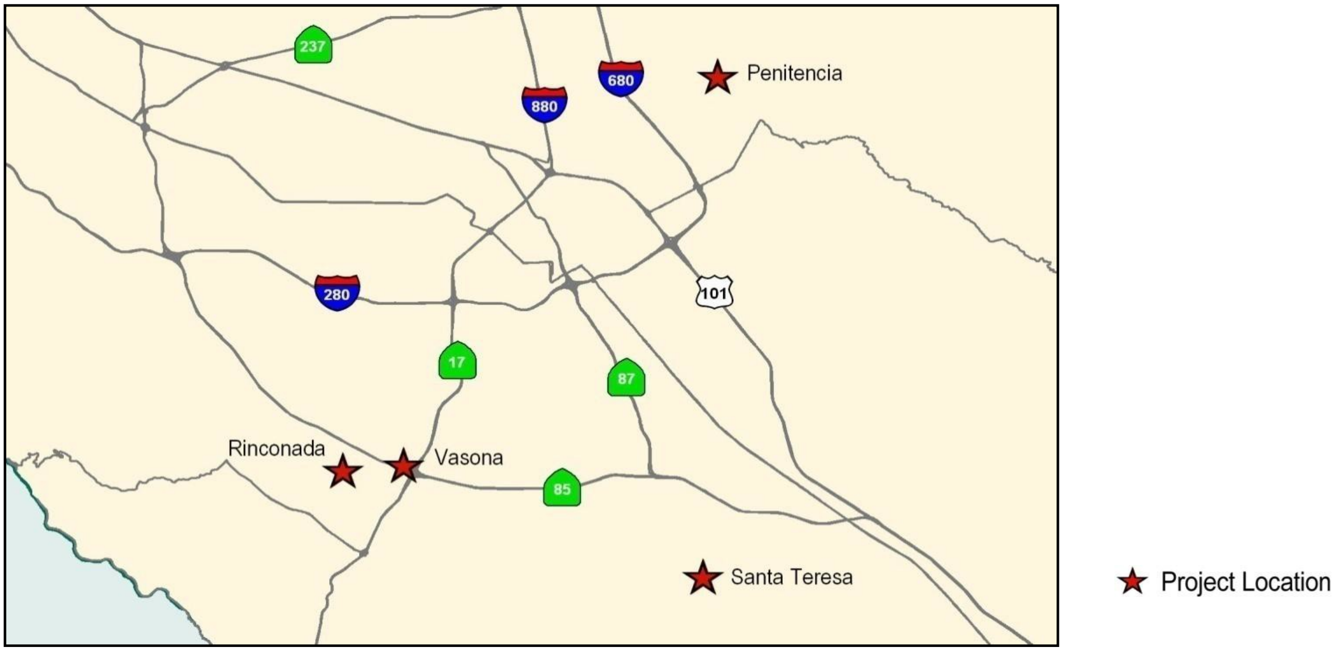
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace and update existing 18- to 29-year-old telecommunications equipment with expanded service capacity at the Penitencia Water Treatment Plant (PWTP), Santa Teresa Water Treatment Plant (STWTP), Rinconada Water Treatment Plant (RWTP), and Vasona Pumping Station, Meter Shop, and Pilot Plant.

This project is accounted for in the following job numbers:

e 93234038—Telephones at PWTP
e 93294040—Telephones at RWTP
e 93284033—Telephones at STWTP
e 93264001—Telephones at Vasona

PROJECT LOCATION

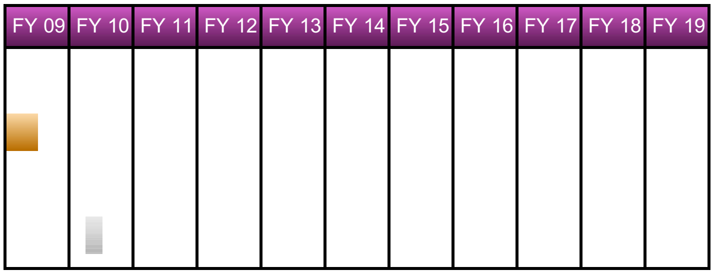


PROJECT SCHEDULE

March 2004 to December 2009

Planning Phase is complete. Telephones at PWTP and STWTP were completed in FY 2008.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	n/a



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Telephones at Penitencia WTP	84	0	0	0	0	0	0	0	84
with inflation	84	0	0	0	0	0	0	0	84
Telephones at Rinconada WTP	196	801	78	0	0	0	0	0	1,075
with inflation	196	801	78	0	0	0	0	0	1,075
Telephones at Santa Teresa WTP	319	0	0	0	0	0	0	0	319
with inflation	319	0	0	0	0	0	0	0	319
Telephones at Vasona	171	342	61	0	0	0	0	0	574
with inflation	171	342	61	0	0	0	0	0	574
TOTAL	**770**	**1,143**	**139**	**0**	**0**	**0**	**0**	**0**	**2,052**
with inflation	**770**	**1,143**	**139**	**139**	**0**	**0**	**0**	**0**	**2,052**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Telephones at Penitencia WTP	84	0	0	0	0	0	0	0	0	84
Telephones at Rinconada WTP	997	0	0	78	0	0	0	0	0	1,075
Telephones at Santa Teresa WTP	319	0	0	0	0	0	0	0	0	319
Telephones at Vasona	503	10	0	61	0	0	0	0	0	574
TOTAL	**1,903**	**10**	**0**	**139**	**0**	**0**	**0**	**0**	**0**	**2,052**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,052
Other Funding Source	0
Total	**2,052**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $18,000 per year, beginning in FY 2009, for maintenance contracts on the new systems.

USEFUL LIFE: 10 Years

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP since that time, in particular, the implementation of an Enterprise Resource System. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life."

Major Capital Improvements Identified in the CIP

- Water Resources Information System
- Computerized Maintenance Management System
- People Soft Upgrade
- Microwave Telecommunications System Upgrade

PRIORITY PROCESS ANd FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the information technology projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority information technology needs can be met.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2008-09.

Information Technology Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
60274054	SMP Computerized Maintenance Management System	1,001	66	143	390	-	-	-	-	-	1,457
60274057	SMP Water Resource Information System	2,714	240	30	74	-	-	-	-	-	3,028
94084006	Microwave Telecommunications System	-	2,537	348	24	22	-	-	-	-	2,583
00024005	Radio Repeater System Infill	-	625	625	-	422	-	-	-	-	1,047
	TOTAL	3,715	3,468	1,146	488	444	-	-	-	-	8,115

▨ *FY 2008-09 Funds to be reappropriated*

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources ($K)

FUNDING SOURCES	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise Fund	3,215	3,104	743	293	220	-	-	-	-	6,832
Watershed Stream Stewardship Fund	501	364	403	195	224	-	-	-	-	1,283
TOTAL	3,715	3,468	1,146	488	444	-	-	-	-	8,115

▨ *FY 2008-09 Funds to be reappropriated*

Project	**ISMP Computerized Maintenance Management System**
Program	Information Technology
Priority No.	35
Project No.	60274054
District Contact	Brian Hackett bhackett@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project integrates the Computerized Maintenance Management System (CMMS) with the District's Enterprise Resource Planning (ERP) system as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Reduce redundant data and eliminate manual data inputs to increase efficiencies.
- Enforce financial accountability of District's asset management and maintenance functions.

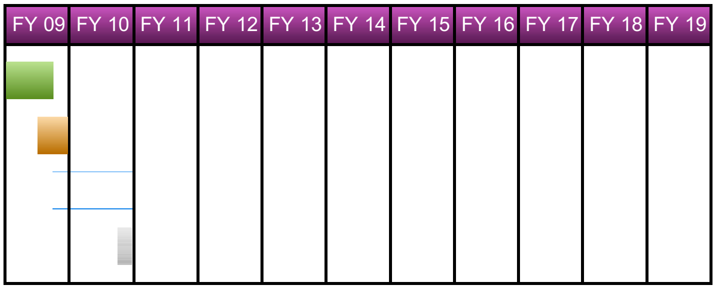
PROJECT LOCATION

No map is provided for this project.

SCHEDULE & STATUS

February 2005 to June 2010

Phase	Cost
Plan	334
Design	247
Construct	861
~~Closeout~~	15
	1,457



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
ISMP Computerized Maintenance Management System	190	734	533	0	0	0	0	0	1,457
with inflation	190	734	533	0	0	0	0	0	1,457

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
ISMP Computerized Maintenance Management System	1,001	66	143	390	0	0	0	0	0	1,457

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–50%	729
SCVWD Water Utility Enterprise Fund–50%	729
Total	**1,457**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs. The project scope is to upgrade an existing system. No additional license or support requirements are anticipated.

USEFUL LIFE: 10 Years

Project	**ISMP Water Resource Information System**
Program	Information Technology
Priority No.	56
Project No.	60274057
District Contact	Keith Whitman kwhitman@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District’s Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

PROJECT LOCATION

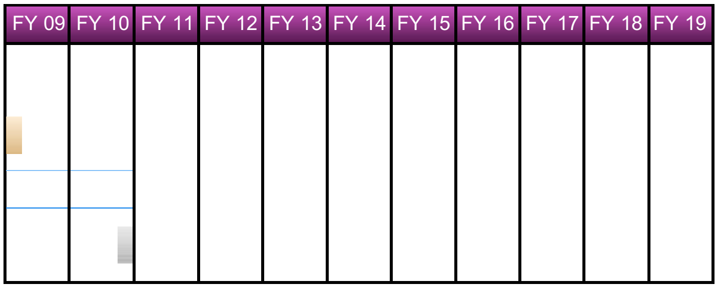
No map is provided for this project.

SCHEDULE & STATUS

August 2004 to April 2010

Planning Phase is complete

Phase	Cost
Plan	92
Design	774
Construct	374
Closeout	80
	1,320



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
ISMP Water Resource Information System	2,574	350	104	0	0	0	0	0	3,028
with inflation	2,574	350	104	0	0	0	0	0	3,028

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
ISMP Water Resource Information System	2,714	240	30	74	0	0	0	0	0	3,028

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,028
Other Funding Source	0
Total	**3,028**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2011, for software maintenance costs.

USEFUL LIFE: 10 Years

Project	**Microwave Telecommunications System**
Program	Information Technology
Priority No.	31
Project No.	94084006
District Contact	Bill Knoff bknoff@valleywater.org

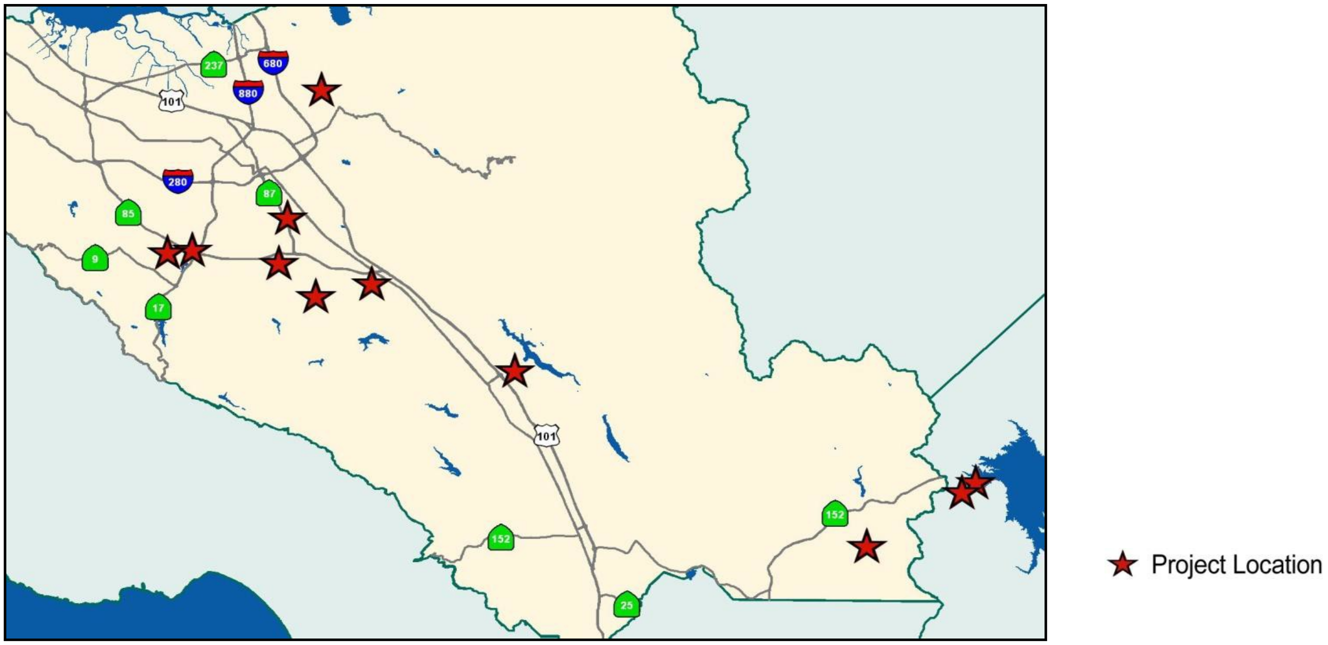
Microwave tower at the County Communications Center

PROJECT DESCRIPTION

This project plans, designs, and installs microwave links at thirteen district sites to accomplish the following objectives:

- Expand the abilities of public agencies in Santa Clara County to communicate with each other quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- Implement a countywide digital microwave network as the primary mechanism for real-time data delivery between network participant public safety interoperability applications.
- Provide reliable, high-speed, dedicated data links between mission critical facilities and the main district campus.
- This project will be constructed in two phases. The first phase is all sites from Coyote Pump Station north. The second phase is the connection south to the City of Gilroy and to Pacheco Pump Station.

PROJECT LOCATION

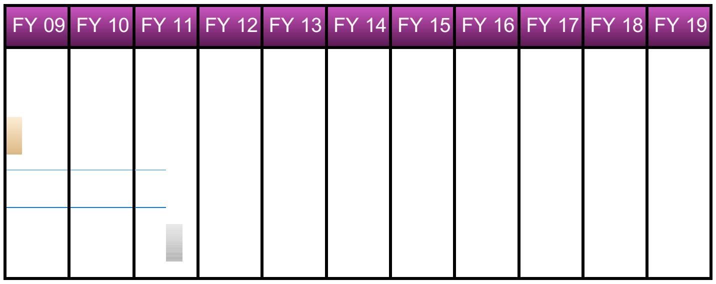


PROJECT SCHEDULE

July 2008 to February 2011

Planning Phase was done under a separate project. Installation is shown in the construction phase.

Phase	Cost
Plan	-
Design	125
Construct	2,436
Closeout	20
	2,581



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Microwave Telecommunication FY08	0	2,189	372	20	0	0	0	0	2,581
with inflation	0	2,189	372	22	0	0	0	0	2,583

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Microwave Telecommunication FY08	0	2,537	348	24	22	0	0	0	0	2,583

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,583
Other Funding Source	0
Total	**2,583**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $70,000 per year, beginning in FY 2011, by eliminating the cost of third-party telecommunications circuits.

USEFUL LIFE: 25 Years

Project	**Radio Repeater System Infill**
Program	Information Technology
Priority No.	49
Project No.	00024005
District Contact	Bill Knoff bknoff@valleywater.org

Radio tower at County Communications Center

PROJECT DESCRIPTION

The District's Radio system was originally constructed in 1986. This project studies the extent of repeater and receiver system infill and considers existing antenna sites that are available through the county, cities, and other public

- Expand the district's ability to communicate quickly and securely with Santa Clara County public agencies during day-to-day operations, large-scale events, and regional disasters.
- Increase reliability, availability, and performance of the county-wide radio system.
- Coordinate response from multiple agencies to an event by talking to users on common 700 MHz radio channels.
- Recommend new operational procedures to increase the level of emergency preparedness.

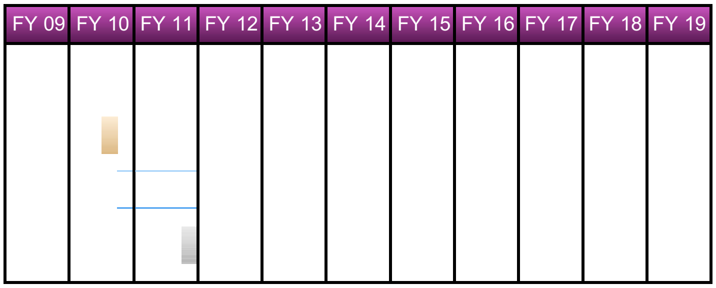
PROJECT LOCATION

Specific sites for this project have not been determined.

SCHEDULE & STATUS

July 2008 to June 2011

Phase	Cost
Plan	230
Design	55
Construct	690
~~Closeout~~	20
	995



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Radio Repeater System Infill	0	0	625	370	0	0	0	0	995
with inflation	0	0	625	422	0	0	0	0	1,047

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY08**	**FY09**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**Future**	
Radio Repeater System Infill	0	625	625	0	422	0	0	0	0	1,047

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–53%	555
SCVWD Water Utility Enterprise Fund–47%	492
Total	**492**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 15 Years

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board policy regarding financial planning and budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."
>
> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KeY ReveNUeS SoURCeS

Water Charges

- Water charges include a ground water production charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.

- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The current FY 2008-09 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

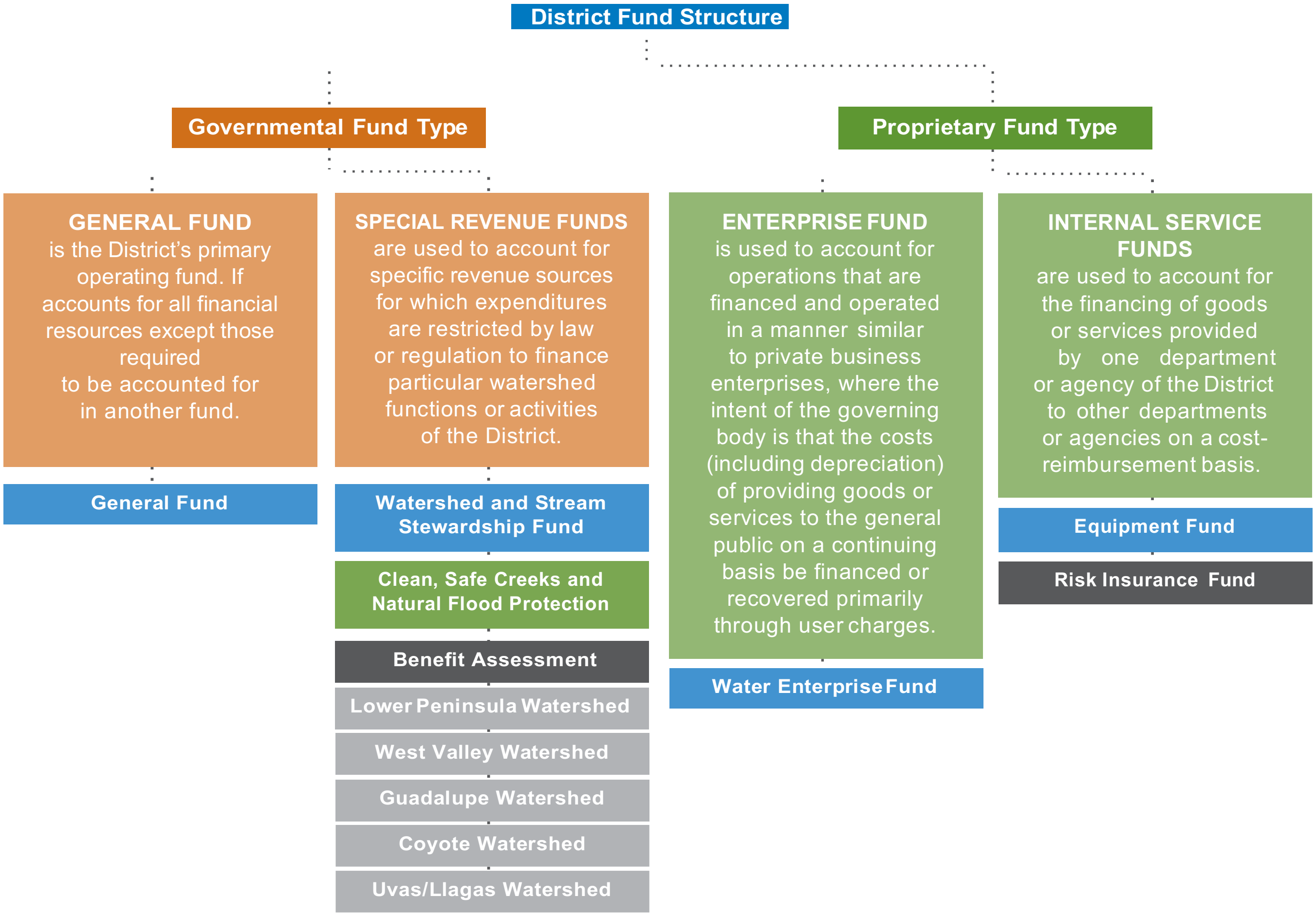
Interest

Interest is earned from the District's investment portfolio.

FINANCIAL PLANNING AND SUMMARY

District Fund Structure

The District's revenue sources are organized into seven funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.



District Fund Structure

Governmental Fund Type

GENERAL FUND is the District's primary operating fund. It accounts for all financial resources except those required to be accounted for in another fund.

- General Fund

SPECIAL REVENUE FUNDS are used to account for specific revenue sources for which expenditures are restricted by law or regulation to finance particular watershed functions or activities of the District.

- Watershed and Stream Stewardship Fund
- Clean, Safe Creeks and Natural Flood Protection
- Benefit Assessment
  - Lower Peninsula Watershed
  - West Valley Watershed
  - Guadalupe Watershed
  - Coyote Watershed
  - Uvas/Llagas Watershed

Proprietary Fund Type

ENTERPRISE FUND is used to account for operations that are financed and operated in a manner similar to private business enterprises, where the intent of the governing body is that the costs (including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

- Water Enterprise Fund

INTERNAL SERVICE FUNDS are used to account for the financing of goods or services provided by one department or agency of the District to other departments or agencies on a cost-reimbursement basis.

- Equipment Fund
- Risk Insurance Fund

Revenue by Fund ($K)

FUND NAME	FY09 Budget	FY10	FY 11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
Water Enterprise	178,737	180,895	197,194	206,318	219,221	233,324	245,588	262,227	277,147	293,290	311,001
Watershed Stream Stewardship	73,227	55,941	65,398	50,745	52,556	54,735	57,069	59,430	61,667	64,212	66,896
Clean, Safe Creeks and Natural Flood Protection	40,088	38,009	62,187	47,698	44,736	45,416	46,491	39,809	-	-	-
Benefit Assessment	19,258	19,234	19,088	19,147	19,183	16,149	16,079	14,778	14,785	14,778	14,778
General	5,231	5,220	5,116	5,013	5,194	5,381	5,574	5,775	5,983	6,198	6,421
Internal Service	470	453	453	453	453	453	453	453	453	453	453
TOTAL	317,011	299,752	349,436	329,374	341,343	355,458	371,254	382,472	360,035	378,931	399,549

Note: Internal Service is the combination of the Equipment and Risk Funds

▨ *FY 2008-09 Funds to be reappropriated*

FINANCIAL PLANNING AND SUMMARY

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.
- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.
- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.
- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments. The debt service payment in the Watershed Stream Stewardship Fund is a total of payments associated with each individual watershed.

Debt Payment Schedule ($K)

Fund	FY10	FY11	FY12	FY13	FY14
General Fund	775	765	769	771	628
Watershed Stream Stewardship Fund	15,786	15,651	15,694	15,723	13,272
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-
Water Utility Enterprise Fund	16,472	20,493	24,443	27,842	35,273
TOTAL	33,033	36,909	40,906	44,336	49,173

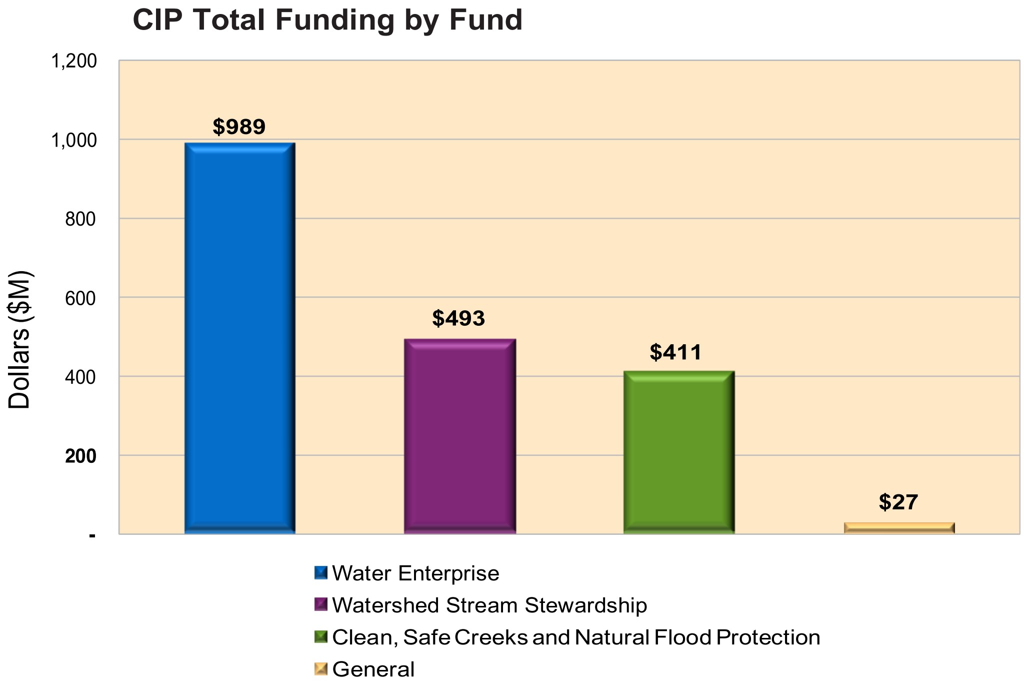
This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

estimated operating Impacts ($K)

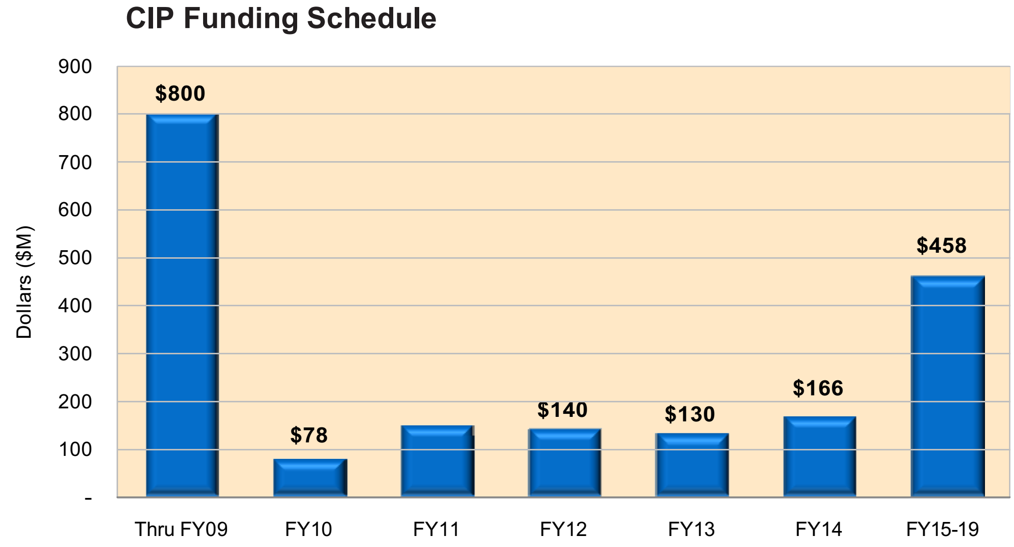
Fund	FY10	FY11	FY12	FY13	FY14	BEYOND
General Fund	-	-	-	-	-	-
Watershed Stream Stewardship Fund	250	1,105	1,168	1,168	1,183	1,203
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-	580
Water Utility Enterprise Fund	309	452	445	2,154	1,974	3,552
TOTAL	559	1,557	1,613	3,322		5,335

CIP FUNDING SUMMARY

Of the $1.92 billion in total District funding for current and future projects, the Board appropriated $800 million in prior years through June 30, 2009 (the end of Fiscal Year 2008-09). This year's CIP process identified additional funding needs of $1.120 billion to complete the projects in the CIP, with $78 million allocated in Fiscal Year 2009-10 and a total of $1.042 billion proposed for future years. Included in the $1.042 billion proposed future funding is a funding shortfall of $7 to $10 million for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund.



The needed $1.92 billion to implement the 101 projects as defined in the CIP are funded by four of the District's seven Funds.



The following chart shows the funding schedule for the $1.92 billion to implement the 101 projects:

CIP Project Funding Schedule for Water enterprise Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Almaden Dam Outlet Works Improvements	2,103	-	-	-	800	834	869	1,201	13,186	18,993
Calero/Fellows Dike Improvement	3,412	471	1,096	-	7,244	543	-	-	-	11,670
Coyote Dam Control Building Improvements	-	-	-	347	-	-	-	-	-	347
Dam Instrumentation	6,513	-	838	-	-	-	6,246	344	-	13,103
Dam Safety Program Seismic Stability Evaluation	-	-	-	2,011	1,291	11,370	16,504	7,677	109,895	148,748
Lenihan Dam Outlet Modifications	39,661	24,723	2,698	-	-	-	-	-	-	64,384
Pacheco Pumping Plant ASD Replacement	3,019	7,723	8,872	-	6,804	611	295	-	-	18,452
Pacheco Pumping Plant Regulating Tank Recoating	223	2,525	183	1,021	-	-	-	-	-	3,769
San Felipe Communications Cable Replacement	264	368	407	-	1,049	520	-	-	-	2,201
San Luis Reservoir Low Point Improvement - Planning	15,143	-	1,938	-	-	-	-	-	-	15,143
San Tomas Well Field	11,826	172	222	442	-	-	-	-	-	12,440
SCADA Wireless System Overhaul for Dams and Reservoirs	-	-	-	-	855	911	965	-	-	2,731
Small Capital Improvements, San Felipe	-	-	-	1,712	1,785	-	730	-	857	5,084
Alamitos Diversion Dam Improvements	820	2,113	2,091	-	-	460	-	-	-	3,393
Almaden-Calero Canal Rehabilitation	2,086	502	1,135	-	-	235	6,422	1,106	256	10,607
Coyote Diversion Dam Improvements	677	-	408	-	622	1,280	-	-	-	2,579
East Pipeline Rehab, Pall to Ocala	-	-	-	1,510	-	-	-	-	-	1,510
IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	36	124	846	693	-	1,699
IRP2 Well Fields	-	-	-	-	3,372	6,325	5,859	6,105	125,094	146,755
Kirk Diversion Dam & Fish Screen Improvements	313	214	-	2,601	350	-	-	-	-	3,478
Main & Madrone Avenue Pipelines Restoration	918	71	603	3,010	3,144	-	-	-	-	7,143
Page Desilting System Improvements	-	310	164	532	-	-	-	-	-	842
Penitencia Fish Facilities Modifications	-	-	-	276	240	188	934	-	-	1,638
Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	-	282	-	-	-	-	282
Santa Clara Distributary Turnout	98	156	2	271	-	-	-	-	-	525
Small Capital Improvements, Raw Water Transmission	-	-	-	302	267	153	1,273	2,313	3,306	7,614
Small Capital Improvements, Treated Water Transmission	-	-	-	-	759	1,639	1,180	436	4,025	8,039
South County Pipeline Right of Way Acquisition	-	174	174	-	204	1,244	670	-	-	2,292
Stevens Creek & Vasona Raw Water Distribution	-	-	-	122	807	13,029	4,525	13,108	-	31,591
Treated Water Pipeline Turnout Improvement - Planning	-	-	-	-	-	294	-	-	-	294
Vasona Pumping Plant Electrical Upgrades	-	-	-	-	-	-	123	542	6,091	6,756
West Pipeline Rehab, Cox Ave. to Granger Ave.	-	-	-	2,274	-	-	-	-	-	2,274
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	945	3,330	3,248	-	1,848	6,034	6,412	184	-	18,753
PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	668	3,550	296	-	4,514

▨ *FY 2008-09 Funds to be reappropriated*

CIP Project Funding Schedule for Water enterprise Fund ($K) (cont'd)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
PWTP Backwash Pump Replacement	803	1,078	-	344	-	-	-	-	-	2,225
PWTP Chemical Systems Upgrade	630	721	769	-	1,585	218	18	-	-	3,172
PWTP Filter Basin Covers	-	-	-	-	-	391	706	-	-	1,097
PWTP Large Valve Automation	-	-	-	-	-	845	153	-	-	998
PWTP Maintenance Building	6,549	608	4,597	294	43	-	-	-	-	7,494
PWTP Standby Power Upgrade	2,336	232	285	-	-	-	-	-	-	2,568
PWTP Washwater Clarification Facility	-	-	-	-	-	-	508	611	7,354	8,473
PWTP Water Pumps Modifications	-	162	54	436	2,446	559	71	-	-	3,674
RWTP Chemical System Upgrade	3,289	2,476	987	3	195	-	-	-	-	5,963
RWTP Filter Polymer System Improvement	-	-	-	-	-	-	-	230	1,264	1,494
RWTP FRP Chemical Storage Structure & Pump Valves Upgrades	-	-	-	307	699	4,292	354	-	-	5,652
RWTP FRP Clarifier Rehabilitation	-	14,308	13,868	-	-	-	-	-	-	14,308
RWTP FRP Computer Room Retrofit	-	154	-	992	342	-	-	-	-	1,488
RWTP FRP Filtration System Improvement	-	-	-	-	1,150	6,838	1,346	638	-	9,972
RWTP FRP Primary Electrical System Improvement	-	898	20	247	8,069	679	-	-	-	9,893
RWTP FRP Residuals Management	-	1,173	43	1,675	806	12,966	7,831	590	-	25,041
RWTP FRP Site Improvement	-	-	-	214	876	-	-	-	-	1,090
RWTP Reliability Improvement	-	-	-	2,110	1,691	5,402	4,651	48,883	78,379	141,116
RWTP Valve Replacements	4,847	958	889	132	630	-	-	-	-	6,567
Small Capital Improvements, Water Treatment	-	-	-	2,129	1,622	2,470	1,790	2,446	10,996	21,453
STWTP Incompatible Materials	2,280	1,665	1,217	2,142	409	-	-	-	-	6,496
Water Protection	4,427	-	3,147	3,094	869	170	-	-	-	8,560
WTP I/O Cards & Trunk Cable Upgrades	3,833	431	557	955	489	294	-	-	-	6,002
Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	200	300	-	-	-	-	-	-	500
Recycled Water Advanced Treatment Facility WPCP	3,995	31,570	0,897	-	17,086	113	-	-	-	52,764
Recycled Water Masterplan	3,257	3,775	3,775	-	5,711	23	-	-	-	12,766
Water Efficient Demonstration Garden	1,893	74	375	-	-	-	-	-	-	1,967
Dam Maintenance Mitigation	-	-	-	3,000	266	148	77	-	-	3,491
Ogier Ponds Separation from Coyote Creek	-	-	-	-	447	466	2,832	6,460	2,141	12,346
FAHCE Stevens Creek Fish Passage Enhancement - 90%	-	761	-	392	2,320	5,115	4,202	-	-	12,790
Jacques Gulch Restoration	2,109	6,962	576	-	-	29	50	-	-	9,150
Telephones at Treatment Plants and Vasona	1,903	10	-	139	-	-	-	-	-	2,052
ISMP Computerized Maintenance Management - 50%	501	33	72	195	-	-	-	-	-	729
ISMP Water Resource Information System	2,714	240	30	74	-	-	-	-	-	3,028
Microwave Telecommunications System	-	2,537	348	24	22	-	-	-	-	2,583
Radio Repeater System Infill - 47%	-	294	294	-	198	-	-	-	-	492
TOTAL	133,687	114,171	87,178	35,329	79,732	87,479	81,992	93,863	362,844	989,096

▨ *FY 2008-09 Funds to be reappropriated*

Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	23,514	584	-	135	76	107	-	-	-	24,416
Permanente Creek, San Francisco Bay to Foothill Expressway	11,968	667	41	4,544	-	-	-	-	-	17,179
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	-	1,462	830	54	57	-	-	-	4,941
San Francisquito Creek, 104 Corps	-	-	-	1,138	923	769	672	-	-	3,502
Calabazas Creek, Capacity Improvement	4,972	73	624	-	-	-	-	-	-	5,045
San Tomas Creek, Quito Road Bridges Replacement	418	82	8	13	22	23	-	-	-	558
Guadalupe River-Lower, Alviso Marina to Interstate 880	89,434	147	-	162	-	-	-	-	-	89,743
Guadalupe River-Downtown, Interstate 880 to Interstate 280	104,375	305	1,838	371	412	-	-	-	-	105,463
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	20,142	7,730	1,758	914	8,949	481	2,156	295	14,220	54,887
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	79,100	251	456	-	-	-	-	-	-	79,351
Lower Silver Creek, I-680 to Cunningham, (Reach 4-6)	6,389	2,064	-	2,912	5,190	-	-	-	-	16,555
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	-	2,076	-	-	189	-	-	-	2,445
Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,785	203	5,321	-	55	-	-	-	-	15,043
Llagas Creek-Lower, Capacity Restoration	-	436	-	856	1,236	-	-	-	-	2,528
San Francisco Bay Shoreline - Planning	9,244	2,055	798	60	264	28	-	-	-	11,651
SMP Mitigation, Coyote Parkway Freshwater Wetland	7,039	191	-	390	-	-	-	-	-	7,620
SMP Mitigation, Laguna Seca Freshwater Wetland	1,367	-	22	7,283	744	293	8,081	225	257	18,250
SMP Mitigation, Pajaro Basin Freshwater Wetland	4,492	101	282	-	101	-	-	-	-	4,694
SMP Mitigation, Stream and Watershed Land Preservation	10,385	-	6,819	-	-	-	-	-	-	10,385
Alviso Slough Restoration	2,585	252	-	615	7,206	243	-	-	-	10,901
CSC Soap Lake Floodplain Property Acquisition - $25	7	-	7	18	-	-	-	-	-	25
FAHCE Stevens Creek Fish Passage Enhancement - 10%	-	85	-	44	258	568	467	-	-	1,421
Gold Street Educational Center	420	214	105	829	-	-	-	-	-	1,463
Pond A8 Applied Study Final Design & Construction	-	3,033	233	267	-	-	-	-	-	3,300
ISMP Computerized Maintenance Management - 50%	501	33	72	195	-	-	-	-	-	729
Radio Repeater System Infill - 53%	-	331	331	-	224	-	-	-	-	555
TOTAL	397,393	18,837	22,253	21,576	25,713	2,758	11,376	520	14,477	492,650

▨ *FY 2008-09 Funds to be reappropriated*

Project Funding Schedule for
Clean Safe Creeks and Natural Flood Protection Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Permanente Creek, San Francisco Bay to Foothill Expressway	-	1,934	1,554	305	16,666	14,421	684	184	325	34,519
San Francisquito Creek, San Francisco Bay through Searsville Dam	-	-	-	-	-	998	4,951	3,528	2,308	11,785
Calabazas Creek, Miller Avenue to Wardell Road	6,157	1,101	-	9,108	1,457	571	654	184	-	19,232
Sunnyvale East and West Channel Planning	4,938	930	1,161	991	545	-	-	-	-	7,404
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	-	-	-	-	4,223	4,400	5,690	51,574	56,814	122,701
Sunnyvale West Channel, Guadalupe Slough to Highway 101	-	-	-	-	1,020	1,062	10,266	798	-	13,146
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	53,267	33,177	19,879	478	6,273	16,510	6,865	5,184	2,714	124,468
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	8,944	1,971	4,862	636	8,185	444	298	311	563	21,352
Coyote Creek, Montague Expressway to Interstate 280	9,410	-	1,819	1,332	1,224	9,182	5,095	7,739	4,031	38,013
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,374	468	1,804	5,755	192	113	118	123	395	18,538
CSC Soap Lake Floodplain Property Acquisition--$250	250	-	250	-	-	-	-	-	-	250
TOTAL	94,340	39,581	31,329	18,605	39,785	47,701	34,621	69,625	67,150	411,408

▨ *FY 2008-09 Funds to be reappropriated*

Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,028	-	2,084	2,172	2,263	2,358	2,457	13,921	27,283
TOTAL	n/a	2,028	-	2,084	2,172	2,263	2,358	2,457	13,921	27,283

▨ *FY 2008-09 Funds to be reappropriated*

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Water Enterprise	133,687	114,171	87,178	35,329	79,732	87,479	81,992	93,863	362,844	989,096
Watershed Stream Stewardship	397,393	18,837	22,253	21,576	25,713	2,758	11,376	520	14,477	492,650
Clean, Safe Creeks and Natural Flood Protection	94,340	39,581	31,329	18,605	39,785	47,701	34,621	69,625	67,150	411,408
General	n/a	2,028	-	2,084	2,172	2,263	2,358	2,457	13,921	27,283
TOTAL	625,419	174,617	140,760	77,594	147,402	140,202	130,347	166,465	458,392	1,920,437

▨ *FY 2008-09 Funds to be reappropriated*

APPENDIX A - CIP PRIORITY CRITERIA

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0
RAW SCORE = 0

Project Name Here

PRIMARY OBJECTIVE (70%)

Water Supply (E 2.1) Impact = ; Probability = 0.00

☐ Project maintains existing water utility infrastructure to meet the current water supply demand, comply with water quality standards or meet other regulatory requirements.

☐ Project enhances water utility infrastructure to meet current water supply demand and comply with water quality standards [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add alternative ways to transmit water].

☐ Project positions the District to meet projected future water supply demand and projected water quality standards.

SOCIAL FACTORS (7.5%)

Flood Protection (E 2.2) 0.00

☐ YES

Mitigation (E 3.1)

☐ YES

Positive Interaction (E 4) - Check all that apply

☐ With the Community
☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features
☐ Trash removal features (vortex weirs)
☐ Improves esthetics of project location
☐ Noise reduction
☐ Odor reduction

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat
☐ Riparian Habitat (planting, setback or protect in place)
☐ SRA Plantings or Improved water temperature
☐ Upland Habitat Protection/Preservation
☐ Wetland Habitat Protection/Preservation
☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

☐ Holistic Watershed Approach
☐ Geomorphologic Design Elements
☐ Erosion Control
☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
☐ TMDL Improvements
☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

☐ Air Quality & Visibility Improvement
☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
☐ Renewable Energy Use
☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
☐ Recycled Water, rain water or gray water utilized
☐ Construction Site Waste Management
☐ Recycle/Re-use Solid Waste
☐ Reduce Solid Waste Production
☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features
☐ Provides/Improves Bicycle Commute Route
☐ Open Space Protection / Preservation

ECONOMIC FACTORS

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000
☐ Annual cost savings of $50,000 to $250,000
☐ Annual cost savings of less than $50,000 (reference ½ PY)
☐ Annual cost increase of more than $250,000
☐ Annual cost increase of $50,000 to $250,000
☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies
☐ 26% to 50% of project costs available from other agencies
☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0
RAW SCORE = 0

Project Name Here

PRIMARY OBJECTIVE (60%)

Flood Protection (E 2.2) Impact = ; Probability = 0.00

☐ Project restores existing watershed infrastructure to its intended level of flood protection.
☐ Project improves watershed infrastructure to achieve the committed level of flood protection.
☐ Project improves watershed infrastructure to provide flood protection beyond the level of commitment.

SOCIAL FACTORS (10%)

Water Supply (E 2.1) 0.00

☐ YES

Mitigation (E 3.1)

☐ YES

Positive Interaction (E 4) - Check all that apply

☐ With the Community	☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features	☐ Noise reduction
☐ Trash removal features (vortex weirs)	☐ Odor reduction
☐ Improves esthetics of project location	

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat	☐ Upland Habitat Protection/Preservation
☐ Riparian Habitat (planting, setback or protect in place)	☐ Wetland Habitat Protection/Preservation
☐ SRA Plantings or Improved water temperature	☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

☐ Holistic Watershed Approach	☐ Erosion Control
☐ Geomorphologic Design Elements	☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment (pervious pavement, green roofs, etc.)	☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
☐ TMDL Improvements	

Natural Resources Sustainability (E 3.2) - Check all that apply

☐ Air Quality & Visibility Improvement	☐ Recycled Water, rain water or gray water utilized
☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	☐ Construction Site Waste Management
	☐ Recycle/Re-use Solid Waste
☐ Renewable Energy Use	☐ Reduce Solid Waste Production
☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.	☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features	☐ Open Space Protection / Preservation
☐ Provides/Improves Bicycle Commute Route	

ECONOMIC FACTORS

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000	☐ Annual cost increase of more than $250,000
☐ Annual cost savings of $50,000 to $250,000	☐ Annual cost increase of $50,000 to $250,000
☐ Annual cost savings of less than $50,000 (reference ½ PY)	☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies
☐ 26% to 50% of project costs available from other agencies
☐ Up to 25% of project costs available from other agencies

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Buildings and Grounds (EL 3.4) Impact = ; Probability = 0.00

☐ Project maintains existing building infrastructure to provide continuous use of existing buildings and/or to comply with employer safety standards.

☐ Project enhances building infrastructure to address treatment of staff issues.

☐ Project positions the District to meet projected future space needs.

SOCIAL FACTORS (10%)

Water Supply (E 2.1) 0.00

☐ YES

Flood Protection (E 2.2)

☐ YES

Mitigation (E 3.1)

☐ YES

Positive Interaction (E 4) - Check all that apply

☐ With the Community
☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features
☐ Noise reduction
☐ Trash removal features (vortex weirs)
☐ Odor reduction
☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat
☐ Upland Habitat Protection/Preservation
☐ Riparian Habitat (planting, setback or protect in place)
☐ Wetland Habitat Protection/Preservation
☐ SRA Plantings or Improved water temperature
☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

☐ Holistic Watershed Approach
☐ Erosion Control
☐ Geomorphologic Design Elements
☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
☐ TMDL Improvements

Natural Resources Sustainability (E 3.2) - Check all that apply

☐ Air Quality & Visibility Improvement
☐ Recycled Water, rain water or gray water utilized
☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
☐ Construction Site Waste Management
☐ Recycle/Re-use Solid Waste
☐ Renewable Energy Use
☐ Reduce Solid Waste Production
☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features
☐ Open Space Protection / Preservation
☐ Provides/Improves Bicycle Commute Route

ECONOMIC FACTORS

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000
☐ Annual cost increase of more than $250,000
☐ Annual cost savings of $50,000 to $250,000
☐ Annual cost increase of $50,000 to $250,000
☐ Annual cost savings of less than $50,000 (reference ½ PY)
☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies
☐ 26% to 50% of project costs available from other agencies
☐ Up to 25% of project costs available from other agencies

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

SCORE = 0

Project Name Here

PRIMARY OBJECTIVE (60%)

Information Technology (EL 7.5) Impact = ; Probability = 0.00

☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.

☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.

☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

SOCIAL FACTORS (10%)

Water Supply (E 2.1) 0.00

☐ YES

Flood Protection (E 2.2)

☐ YES

Mitigation (E 3.1)

☐ YES

Positive Interaction (E 4) - Check all that apply

☐ With the Community

☐ With other agencies

Good Neighbor (E 4) - Check all that apply

☐ Graffiti removal or Prevention Features

☐ Trash removal features (vortex weirs)

☐ Improves esthetics of project location

☐ Noise reduction

☐ Odor reduction

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

☐ Fish Barrier Removal / Structural improvement to fish habitat

☐ Riparian Habitat (planting, setback or protect in place)

☐ SRA Plantings or Improved water temperature

☐ Upland Habitat Protection/Preservation

☐ Wetland Habitat Protection/Preservation

☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

☐ Holistic Watershed Approach

☐ Geomorphologic Design Elements

☐ Erosion Control

☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

☐ Storm Water Treatment (pervious pavement, green roofs, etc.)

☐ TMDL Improvements

☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

☐ Air Quality & Visibility Improvement

☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)

☐ Renewable Energy Use

☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.

☐ Recycled Water, rain water or gray water utilized

☐ Construction Site Waste Management

☐ Recycle/Re-use Solid Waste

☐ Reduce Solid Waste Production

☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

☐ Trail friendly features

☐ Provides/Improves Bicycle Commute Route

☐ Open Space Protection / Preservation

ECONOMIC FACTORS

Lifecycle costs are minimized - Check One 0.00

☐ Annual cost savings of more than $250,000

☐ Annual cost savings of $50,000 to $250,000

☐ Annual cost savings of less than $50,000 (reference ½ PY)

☐ Annual cost increase of more than $250,000

☐ Annual cost increase of $50,000 to $250,000

☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

☐ Over 50% of project costs available from other agencies

☐ 26% to 50% of project costs available from other agencies

☐ Up to 25% of project costs available from other agencies

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority

FUNDED

RWTP FRP Chemical Storage Structure & Pump Valves Upgrades
RWTP FRP Clarifier Rehabilitation
RWTP FRP Filtration System Improvement
RWTP FRP Primary Electrical System Improvement
RWTP FRP Residulas Management
RWTP FRP Computer Room Retrofit
Alamitos Diversion Dam Improvements
Coyote Diversion Dam Improvements
PWTP Standby Power Upgrade
Kirk Diversion Dam & Fish Screen Improvements
PWTP Maintenance Building
RWTP Filter Polymer System Improvement
PWTP Water Pumps Modifications
Dam Instrumentation
PWTP Washwater Clarification Facility
San Luis Reservoir Low Point Improvement - Planning
RWTP FRP Site Improvement
RWTP Reliability Improvement
Pacheco Pumping Plant Regulating Tank Recoating
IRP2 Seismic Study and Retrofit of WTP Ops Bldg
Main & Madrone Avenue Pipelines Restoration
Lenihan Dam Outlet Modifications
Almaden-Calero Canal Rehabilitation
Dam Safety Program Seismic Stability Evaluation
Coyote Dam Control Building Improvements
STWTP Incompatible Materials
Water Protection
San Felipe Communications Cable Replacement
SCADA Wireless System Overhaul for Dams and Reservoirs
PWTP Backwash Pump Replacement
RWTP Chemical System Upgrade
Pacheco Pumping Plant ASD Replacement
Small Capital Improvements, San Felipe
Small Capital Improvements, Raw Water Transmission
PWTP Chemical Systems Upgrade
PWTP Ammonia System Relocation and Upgrades
Stevens Creek & Vasona Raw Water Distribution
RWTP Valve Replacements
IRP2 Well Fields
IRP2 Backup Raw Water Control Center at Almaden
WTP I/O Cards & Trunk Cable Upgrades
Almaden Dam Outlet Works Improvements
Pipeline Hydraulic Reliability Upgrades - Planning
Small Capital Improvements, Treated Water Transmission

Water Supply Capital Projects in Order of Priority (cont'd)

FUNDED
East Pipeline Rehabilitation
West Pipeline Rehabilitation
Small Capital Improvements, Water Treatment
Vasona Pumping Plant Electrical Upgrades
Penitencia Fish Facilities Modifications
Treated Water Pipeline Turnout Improvement - Planning
Page Desilting System Improvements
PWTP Large Valve Automation
Santa Clara Distributary Turnout
Recycled Water Advanced Treatment Facility WPCP
San Tomas Well Field
South County Pipeline Right of Way Acquisition
PWTP Filter Basin Covers
Calero/Fellows Dike Improvement
Recycled Water Masterplan - Short-Term Implementation
Water Efficient Demonstration Garden
Bay Area Regional Desalination, Mallard Slough Pilot Plant

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS
San Luis Reservoir Low Point Improvement - Design and Construction
IRP2 Additional Line Valves
RWTP Advanced Treatment
Church Avenue Diversion
RWTP BL-1 Valve & Vault Replacement
STWTP Chemical Tank MOVs & Instrumentation
Recycled Water - Advanced Treatment Plant - Coyote Valley
South County Recharge Ponds
WTP Filter Backwash Aid
Calero Dam Outlet Works Rehab
RWTP Waste Stream Separation Modification
Coyote Pumping Plant ASD Replacement
Recycled Water Masterplan - Long-Term Implementation
Milpitas Pipeline Terminus Valve & Vault
Guadalupe Dam Outlet Works Rehab
Anderson Reservoir Bank Erosion Repair
San Felipe Pipeline Upgrades
Santa Clara Tunnel Leakage and Pacheco Conduit Dewater
Valve 906 Low-Flow Bypass
Alamitos & Guadalupe Creeks Supplemental Water Supply System

APPENDIX B - PROJECT LIST BY PRIORITY

Flood Protection Capital Projects in Order of Priority

FUNDED

- Permanente Creek, San Francisco Bay to Foothill Expressway
- Sunnyvale East and West Channel Planning
- Sunnyvale East Channel, Guadalupe Slough to Interstate 280
- Guadalupe River–Lower, Alviso Marina to Interstate 880
- Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd
- Calabazas Creek, Capacity Improvement
- San Francisquito Creek, San Francisco Bay through Searsville Dam
- Llagas Creek-Lower, Capacity Restoration
- Llagas Creek–Upper, Buena Vista Road to Wright Avenue
- Upper Penitencia Creek, Coyote Creek to Dorel Drive
- Guadalupe River–Upper, Interstate 280 to Blossom Hill Road
- Guadalupe River–Downtown, Interstate 880 to Interstate 280
- Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)
- Sunnyvale West Channel, Guadalupe Slough to Highway 101
- Coyote Creek, Montague Expressway to Interstate 280
- Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)
- Calabazas Creek, Miller Avenue to Wardell Road
- Berryessa Creek, Calaveras Boulevard to Old Piedmont Road
- San Francisco Bay Shoreline - Planning
- San Tomas Creek, Quito Road Bridges Replacement
- Thompson Creek Stream Stabilization, Quimby Road to Aborn Road
- Adobe Ck, Upper, Restoration (R5)

PROPOSED FUTURE PROJECTS

- Lower Silver Creek, Babb Creek to Cunningham Ave (R5-6)
- Lower Silver Creek, I-680 to Babb Creek (R4)
- Lake Cunningham Improvements
- Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation
- SF Bay Shoreline Early Implementation Design & Construct
- Canoas Creek, Guadalupe River to Cottle Road
- Stevens Creek, 101 to Moffett Blvd.
- Calabazas Creek, Wardell to Comer Debris Basin
- Alamitos Creek, Guadalupe River to Almaden Dam
- Coyote Creek Overflow Channel Restoration, Montague Expwy
- Los Gatos Creek, Twin Brook Drive

APPENDIX B - PROJECT LIST BY PRIORITY

Mitigation Capital Projects in Order of Priority

FUNDED
Dam Maintenance Mitigation
Ogier Ponds Separation from Coyote Creek
SMP Mitigation, Coyote Parkway Freshwater Wetland
SMP Mitigation, Laguna Seca Freshwater Wetland
SMP Mitigation, Pajaro Basin Freshwater Wetland
SMP Mitigation, Stream and Watershed Land Preservation

Enhancement Capital Projects in Order of Priority

FUNDED
CSC Soap Lake Floodplain Property Acquisition
FAHCE Stevens Creek Fish Passage Enhancement
Jacques Gulch Restoration
Pond A8 Applied Study Final Design & Construction
Alviso Slough Restoration
Gold Street Educational Center
PROPOSED FUTURE PROJECTS
Comer Dam Removal
Permanente Creek Riparian Channel Restoration
Permanente Diversion Channel Restoration

Buildings and Grounds Capital Projects in Order of Priority

FUNDED
Almaden and Winfield Campus, Small Capital Improvements
Telephones at Treatment Plants and Vasona
PROPOSED FUTURE PROJECTS
Corporation Yard Implementation

Information Technology Capital Projects in Order of Priority

FUNDED
ISMP Water Resource Information System
Radio Repeater System Infill
ISMP Computerized Maintenance Management System
Microwave Telecommunications System
PROPOSED FUTURE PROJECTS
ISMP Electronic Document Management System

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project Number	Project Name	Amount ($K)	Partnering Agency
91954001	Pacheco Pumping Plant ASD Replacement	4,059	San Benito County Water District
91214008	Pacheco Pumping Plant Regulating Tank Recoating	835	San Benito County Water District
91214009	San Felipe Communications Cable Replacement	484	San Benito County Water District
91214007	San Luis Reservoir Low Point Improvement - Planning	14,038	Department of Water Resources
91214007	San Luis Reservoir Low Point Improvement - Planning	46	U.S. Bureau of Reclamation
91124001	San Tomas Well Field	4,500	Campbell Redevelopment Agency
91214010	Small Capital Improvements, San Felipe	1,120	San Benito County Water District
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	237	U.S. Bureau of Reclamation
91184008	Recycled Water Advanced Treatment Facility WPCP	19,000	City of San Jose
91184008	Recycled Water Advanced Treatment Facility WPCP	3,000	Department of Water Resources
91184008	Recycled Water Advanced Treatment Facility WPCP	5,500	U.S. Army Corps of Engineers
91184008	Recycled Water Advanced Treatment Facility WPCP	8,250	U.S. Bureau of Reclamation - ARRA
91094007s	Recycled Water Masterplan	708	South County Regional Wastewater Authority
91094007s	Recycled Water Masterplan	4,350	U.S. Bureau of Reclamation - ARRA
91154006	Water Efficient Demonstration Garden	146	Department of Water Resources
20104018	Calabazas Creek, Capacity Improvement	28	City of Santa Clara
30154011	Guadalupe River–Lower, Alviso Marina to Interstate 880	2,451	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	30,588	State Subventions
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	1,272	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	9,904	San Jose Redevelopment Agency
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	12,500	Corps of Engineers - ARRA
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	49,128	State Subventions (R6-12)
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	3,777	City of San Jose
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	7,600	State Subventions
40264001s	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	165	Natural Resource Conservation Service
40264001s	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	20,343	State Subventions
40264012	Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	6,530	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	3,566	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	3,340	City of Morgan Hill
91854002	Jacques Gulch Restoration	225	County of Santa Clara
62044020	Pond A8 Applied Study Final Design & Construction	1,125	Regional Water Quality Control Board
62044020	Pond A8 Applied Study Final Design & Construction	1,000	NOAA (California Costal Conservancy) ARRA
	TOTAL	$ 219,815	

The American Recovery and Reinvestment Act of 2009 appropriated $18 million to continue construction of Lower Silver Creek, upstream of I-680. This $18 million is not included in this table because the expenditures associated with the planned reimbursements have been identified, but not scheduled.

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

Project Number	Project Name	Amount ($K)	Partnering Agency
94084005	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	East Bay Municipal Utility District
93084009	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	San Francisco Public Utilities Commission
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	Contra Costa Water District
91184008	Bay Area Regional Desalination, Mallard Slough Pilot Plant	1,000	Department of Water Resources
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	3,000	U.S. Army Corps of Engineers
26284001	San Francisquito Creek, San Francisco Bay through Searsville Dam	1,500	County of San Mateo
20194005	San Tomas Creek, Quito Road Bridges Replacement	3,064	CALTRANS
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	Town of Los Gatos
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	City of Saratoga
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	158,000	U.S. Army Corps of Engineers
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	40,200	U.S. Army Corps of Engineers
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	19,000	U.S. Army Corps of Engineers
62214001	Thompson Creek Stream Stabilization, Quimby Road to Aborn Roa	4,415	U.S. Army Corps of Engineers
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	22,000	U.S. Army Corps of Engineers
91854002	Jacques Gulch Restoration	4,000	County of Santa Clara
	TOTAL	$ 257,313	

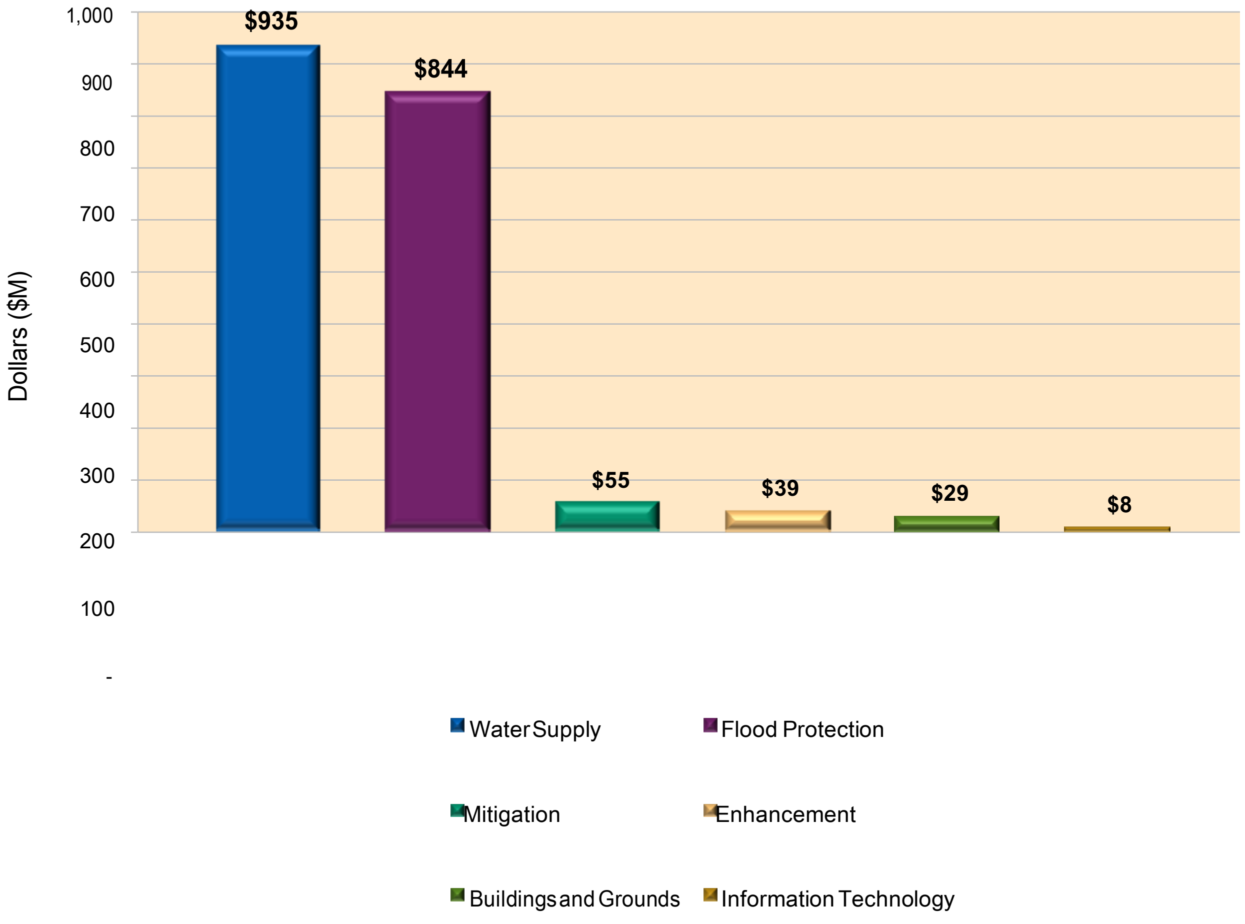
APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

	THRU FY08 (Actuals)	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Water Supply	92,160	51,776	100,754	83,657	83,603	75,104	87,403	199,428	87,168	49,491	18,212	6,403	935,159
Flood Protection	402,107	71,297	66,410	65,648	49,307	37,449	69,920	62,252	16,996	869	883	370	843,508
Mitigation	13,487	2,965	12,498	3,335	2,604	11,049	6,685	1,017	748	246	182	205	55,021
Enhancement	4,031	11,475	3,286	9,822	5,967	4,719	---						39,300
Buildings and Grounds	770	3,171	2,223	2,172	2,263	2,358	2,457	2,560	2,667	2,780	2,896	3,018	29,335
Information Technology	2,764	3,273	1,634	444	-	-	-	-	-	-	-	-	8,115
TOTAL	**515,319**	**143,957**	**186,805**	**165,078**	**143,744**	**130,679**	**166,465**	**265,257**	**107,579**	**53,386**	**22,173**	**9,996**	**1,910,438**

There is currently a $7 to $10 million revenue shortfall to meet the planned expenditures in the Clean, Safe Creeks and Natural Flood Protection Fund. District staff is working with the Board to develop a method for addressing this revenue shortfall.

CIP Expenditures by Type of Improvement

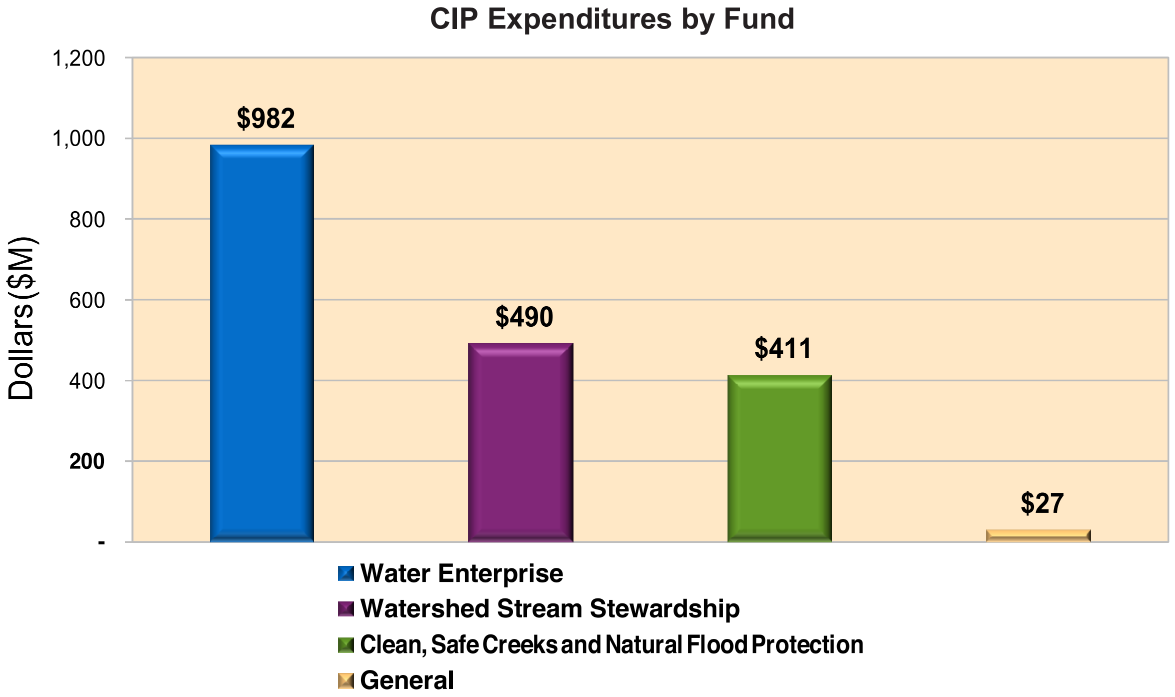


APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	Through FY08 (Actuals)	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTAL
Water Enterprise	97,054	63,626	105,848	86,949	89,372	82,265	93,863	200,188	87,916	49,737	18,394	6,608	981,819
Watershed Stream Stewardship	349,707	44,270	34,419	30,691	4,407	11,435	520	564	11,917	855	869	272	489,927
Clean, Safe Creeks and Natural Flood Protection	68,558	34,034	44,454	45,266	47,701	34,621	69,625	61,945	5,079	14	14	98	411,409
General	-	2,028	2,084	2,172	2,263	2,358	2,457	2,560	2,667	2,780	2,896	3,018	27,283
TOTAL	**515,319**	**143,957**	**186,805**	**165,078**	**143,744**	**130,679**	**166,465**	**265,257**	**107,579**	**53,386**	**22,173**	**9,996**	**1,910,438**

There is currently a $7 to $10 million revenue shortfall to meet the planned expenditures in the Clean, Safe Creeks and Natural Flood Protection Fund. District staff is working with the Board to develop a method for addressing this revenue shortfall.



APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of Campbell		
III-51	Page Desilting System Improvements	4
III-27	San Tomas Well Field	4
III-65	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
Projects in the city of Cupertino		
IV-15	Calabazas Creek, Capacity Improvement	5
IV-17	Calabazas Creek, Miller Avenue to Wardell Road	5
III-65	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
IV-21	Sunnyvale East and West Channel Planning	3, 5
IV-23	Sunnyvale East Channel, Guadalupe Slough to Interstate 280	3, 5
III-71	West Pipeline Rehab, Cox to Mtn. View Pipeline	5
Projects in the city of Gilroy		
VI-3	CSC Soap Lake Floodplain Property Acquisition	1
IV-53	Llagas Creek-Lower, Capacity Restoration	1
III-131	Recycled Water Masterplan - Short-Term Implementation	1
Projects in the city of Los Altos		
IV-7	Adobe Ck, Upper, Restoration (R5)	5
VI-5	FAHCE Stevens Creek Fish Passage Enhancement (5 Projects)	5
IV-9	Permanente Creek, San Francisco Bay to Foothill Expressway	5
III-55	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
III-71	West Pipeline Rehab, Cox to Mtn. View Pipeline	5
Projects in the town of Los Altos Hills		
IV-7	Adobe Ck, Upper, Restoration (R5)	5
Projects in the town of Los Gatos		
III-13	Dam Instrumentation	1, 5
III-75	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	1, 3
III-47	Kirk Diversion Dam & Fish Screen Improvements	1
VIII-7	Microwave Telecommunications System	1, 2, 3
III-95	RWTP Chemical System Upgrade	1
III-99 to III-112	RWTP Facility Renewal Program (FRP) (7 projects)	1
III-97	RWTP Filter Polymer System Improvement	1

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the town of Los Gatos (cont'd)		
III-113	RWTP Reliability Improvement	1
III-115	RWTP Valve Replacements	1
IV-19	San Tomas Creek, Quito Road Bridges Replacement	1
III-29	SCADA Wireless System Overhaul for Dams and Reservoirs	1, 5
III-65	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
VII-5	Telephones at Treatment Plants and Vasona	1, 3
III-67	Treated Water Pipeline Turnout Improvement - Planning	1, 3
III-69	Vasona Pumping Plant Electrical Upgrades	1
III-123	WTP I/O Cards & Trunk Cable Upgrades	1, 3
Projects in the city of Milpitas		
IV-37	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	3
IV-39	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	3
IV-55	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	1
IV-59	San Francisco Bay Shoreline	3, 5
Projects in the city of Monte Sereno		
None		
Projects in the city of Morgan Hill		
VIII-7	Microwave Telecommunications System	1, 2, 3
III-131	Recycled Water Masterplan - Short-Term Implementation	1
III-23	San Felipe Communications Cable Replacement	1
III-29	SCADA Wireless System Overhaul for Dams and Reservoirs	1, 5
III-63	South County Pipeline Right of Way Acquisition	1
Projects in the city of Mountain View		
VI-5	FAHCE Stevens Creek Fish Passage Enhancement (5 Projects)	5
IV-9	Permanente Creek, San Francisco Bay to Foothill Expressway	5
III-55	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
IV-59	San Francisco Bay Shoreline	3, 5
Projects in the city of Palo Alto		
IV-7	Adobe Ck, Upper, Restoration (R5)	5
III-55	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5

APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Projects in the city of Palo Alto (cont'd)

Page Number	Project Name	Supervisorial District(s)
IV-59	San Francisco Bay Shoreline	3, 5
IV-11	San Francisquito Creek, San Francisco Bay through Searsville Dam	5

Projects in the city of San Jose

Page Number	Project Name	Supervisorial District(s)
III-35	Alamitos Diversion Dam Improvements	1
VII-3	Almaden and Winfield Campus, Small Capital Improvements	1
III-37	Almaden-Calero Canal Rehabilitation	1
VI-11	Alviso Slough Restoration Planning	3
IV-37	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	3
IV-15	Calabazas Creek, Capacity Improvement	5
IV-17	Calabazas Creek, Miller Avenue to Wardell Road	5
III-9	Calero/Fellows Dike Improvement	1
IV-41	Coyote Creek, Montague Expressway to Interstate 280	2, 3
III-39	Coyote Diversion Dam Improvements	1
III-13	Dam Instrumentation	1, 5
III-15	Dam Safety Program Seismic Stability Evaluation	1, 5
III-41	East Pipeline Rehab, Patt to Ocala	2, 3
VI-13	Gold Street Educational Center	3
IV-29	Guadalupe River–Lower, Alviso Marina to Interstate 880	3, 4
IV-31	Guadalupe River–Downtown, Interstate 880 to Interstate 280	2
IV-33	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	1, 2, 4
III-43	IRP2 Backup Raw Water Control Center at Almaden	1
III-75	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	1, 3
VIII-3	ISMP Computerized Maintenance Management - 50%	1
VIII-5	ISMP Water Resource Information System	1
IV-45	Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	2
VIII-7	Microwave Telecommunications System	1, 2, 3
III-53	Penitencia Fish Facilities Modifications	3
VI-9	Pond A8 Applied Study Final Design & Construction	3
III-77	PWTP Ammonia System Relocation and Upgrades	3
III-79	PWTP Backwash Pump Replacement	3
III-81	PWTP Chemical Systems Upgrade	3
III-83	PWTP Filter Basin Covers	3

APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of San Jose (cont'd)		
III-85	PWTP Large Valve Automation	3
III-87	PWTP Maintenance Building	3
III-89	PWTP Standby Power Upgrade	3
III-91	PWTP Washwater Clarification Facility	3
III-93	PWTP Water Pumps Modifications	3
III-129	Recycled Water Advanced Treatment Facility WPCP	3
IV-59	San Francisco Bay Shoreline	3, 5
III-29	SCADA Wireless System Overhaul for Dams and Reservoirs	1, 5
V-7	SMP Mitigation, Coyote Parkway Freshwater Wetland	1
V-9	SMP Mitigation, Laguna Seca Freshwater Wetland	1
III-119	STWTP Incompatible Materials	1
VII-5	Telephones at Treatment Plants and Vasona	1, 3
IV-47	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	3
III-67	Treated Water Pipeline Turnout Improvement - Planning	1, 3
IV-49	Upper Penitencia Creek, Coyote Creek to Dorel Drive	3
III-133	Water Efficient Demonstration Garden	2
III-123	WTP I/O Cards & Trunk Cable Upgrades	1, 3
Projects in the city of Santa Clara		
IV-31	Guadalupe River–Lower, Alviso Marina to Interstate 880	3, 4
III-57	Santa Clara Distributary Turnout	4
Projects in the city of Saratoga		
III-65	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
III-71	West Pipeline Rehab, Cox to Mtn. View Pipeline	5
IV-15	Calabazas Creek, Capacity Improvement	5
IV-17	Calabazas Creek, Miller Avenue to Wardell Road	5
Projects in the city of Sunnyvale		
VI-5	FAHCE Stevens Creek Fish Passage Enhancement (5 Projects)	5
III-55	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
IV-59	San Francisco Bay Shoreline	3, 5
IV-21	Sunnyvale East and West Channel Planning	3, 5
IV-23	Sunnyvale East Channel, Guadalupe Slough to Interstate 280	3, 5
IV-25	Sunnyvale West Channel, Guadalupe Slough to Highway 101	3

APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the Unincorporated areas of the County		
III-7	Almaden Dam Outlet Works Improvements	1
III-37	Almaden-Calero Canal Rehabilitation	1
III-11	Coyote Dam Control Building Improvements	1
VI-3	CSC Soap Lake Floodplain Property Acquisition	1
III-13	Dam Instrumentation	1, 5
III-15	Dam Safety Program Seismic Stability Evaluation	1, 5
VI-7	Jacques Gulch Restoration	1
III-17	Lenihan Dam Outlet Modifications	1
IV-53	Llagas Creek-Lower, Capacity Restoration	1
IV-55	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	1
III-49	Main & Madrone Avenue Pipelines Restoration	1
VIII-7	Microwave Telecommunications System	1, 2, 3
V-5	Ogier Ponds Separation from Coyote Creek	1
III-53	Penitencia Fish Facilities Modifications	3
IV-9	Permanente Creek, San Francisco Bay to Foothill Expressway	5
III-55	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
III-131	Recycled Water Masterplan - Short-Term Implementation	1
III-23	San Felipe Communications Cable Replacement	1
IV-59	San Francisco Bay Shoreline	3, 5
IV-11	San Francisquito Creek, San Francisco Bay through Searsville Dam	5
III-29	SCADA Wireless System Overhaul for Dams and Reservoirs	1, 5
III-31	Small Capital Improvements, San Felipe	1
V-11	SMP Mitigation, Pajaro Basin Freshwater Wetland	1
III-63	South County Pipeline Right of Way Acquisition	1
IV-49	Upper Penitencia Creek, Coyote Creek to Dorel Drive	3

APPENDIX F - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets.

The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX F - GLOSSARY

Enterprise Fund

Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense

Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility

Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets

Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year

A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District’s fiscal year is July 1 through June 30.

Fund

A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund

A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants

Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy

(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt

Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood

Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

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